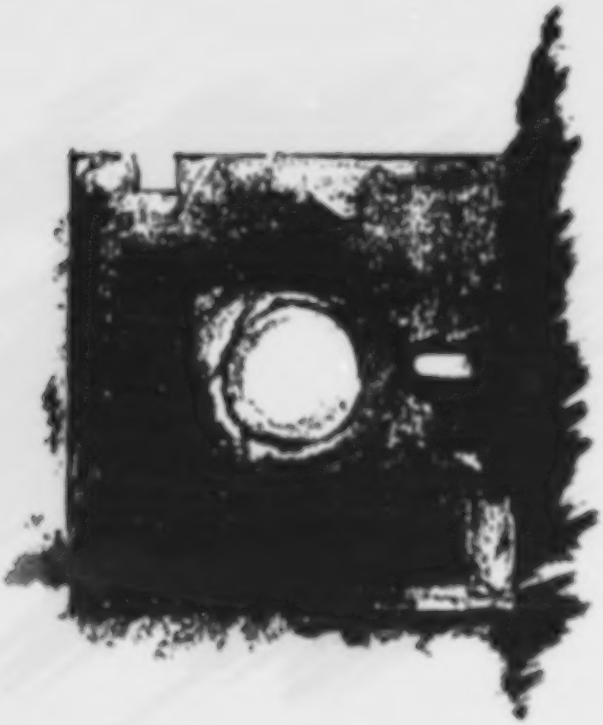
ALBERTA SOFTWARE INDUSTRY



52-00912/

Table of Contents

Purpose and Use of Directory 1

Summary 2

Notices and Comments 5

List of Companies 7

Company Profiles 11

Executive Officers 251

Application Software by Category 259

Applications 263
- Accounting & Finance 264
- Asset Management 269
- Communications 270
- Connectivity 271
- Data Processing & Computer Systems 272
- Education & Training 275
- Engineering & Science 276
- Graphics 278
- Manufacturing Software 279
- Marketing & Sales 280
- Miscellaneous 281
- Office Automation 282
- Spreadsheets 285
- Word and Text Processing 286

Purpose and Use of Directory

The prime objective of the software directory is to provide information about the capabilities, scope and size of the software industry in Alberta. This will help promote the industry's products and services within the province and to national and international audiences.

The specific objectives of this software directory are:

- To encourage the development of the software industry in Alberta by describing the capabilities of firms involved in software development and their available products and services.
- To provide a document for prospective investors and potential collaborators who may be attracted to Alberta because of the availability of certain capabilities in the province.
- To serve as a marketing tool for Alberta software products and services, both domestically and internationally.
- To enhance employment opportunities for graduate students from Alberta's universities, colleges and technical institutes.

This directory contains data on software industry firms with offices in Alberta. The data was collected through a seven-page survey completed in May 1991. This directory is an updated and revised version of a previous one done in 1986.

The directory consists of three main parts:

- Company listing and company profile.
- Executive officers.
- Software categories and products.

In the company profile section, basic information on the company is supplemented by information on the technical environments, applications and target market of the company.

An edited company profile with information on products and other detail relative to specialization, research and development and marketing information is also provided.

Summary

Survey of the Software Industry in Alberta

During 1990-91, Alberta Technology, Research and Telecommunications commissioned a survey of the software industry in Alberta with the aim of producing a directory of software firms in the province. To that end, some 1500 firms in all fields of computing and related service industries, such as hardware vendors, time-sharing service companies, consulting firms and others, were surveyed through a mail-out questionnaire.

Only 202 firms, whose software products were created in Alberta, or who had substantially added-value by altering, enhancing, modifying or upgrading software for sale were considered for the directory.

Below is a brief summary of the main survey findings, derived from the data provided by the respondents. The data is aggregate and does not represent all the companies, as many did not provide statistical data. It should be noted that the primary purpose of the survey was to create the directory and not to elicit detailed financial and other information. Therefore, the conclusions are extrapolations and best estimates only.

It is estimated that about 250 firms have direct involvement in software development and production in Alberta.

- Total revenue generated by these firms directly from software product sales in Alberta is estimated at $80 to $120 million.
- 67% of firms have revenues of under $500,000.
- The firms employ some 5,040 persons, not all of whom are actively working in software production.
- 54% of firms have less than seven employees.
- over 45% of the firms surveyed are less than five years old.
- 92% are headquartered in Alberta.
- 58% are based in Calgary, while 37% are in Edmonton.

CHART 1 Distribution by Size

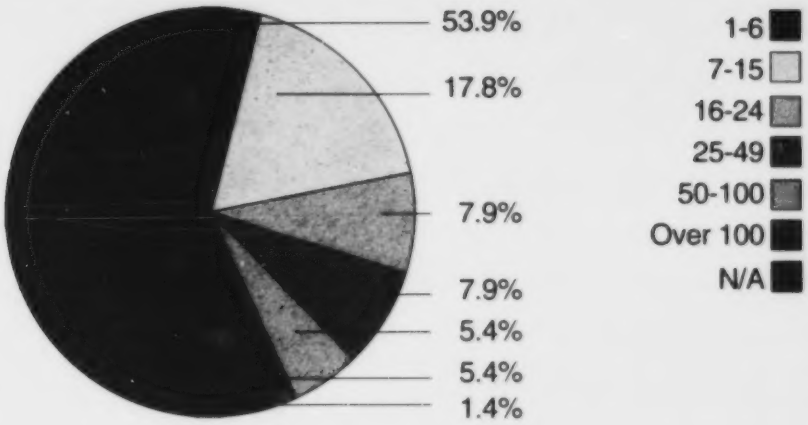


CHART 2 Distribution by Geographic Location

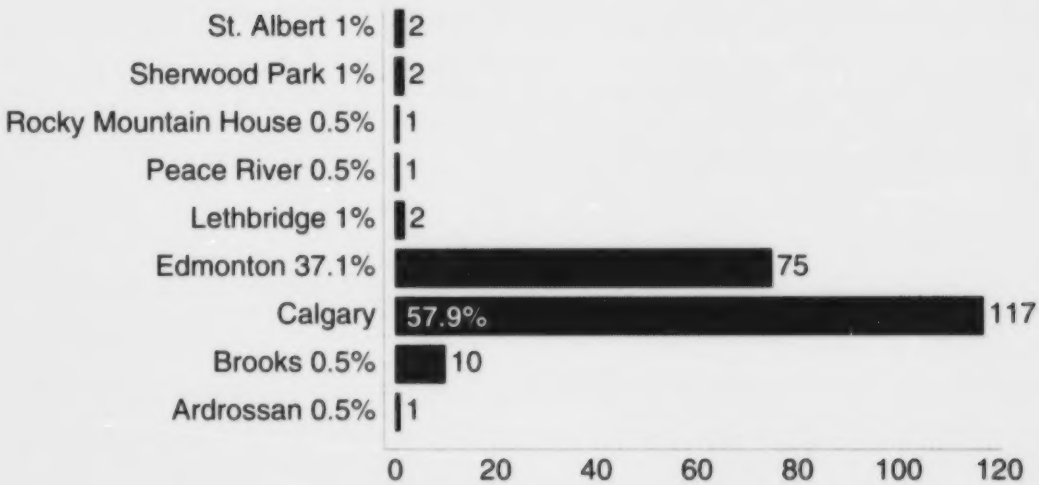


CHART 3 Distribution by Year of Incorporation & Software Activity Start Year

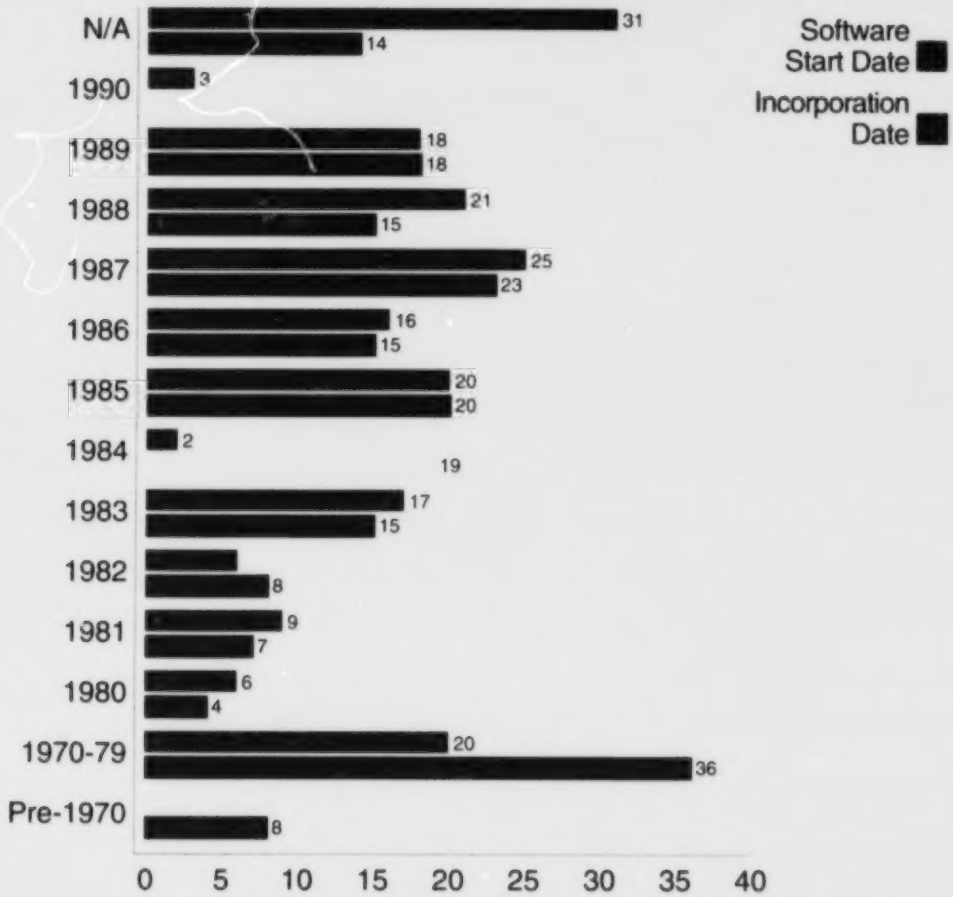
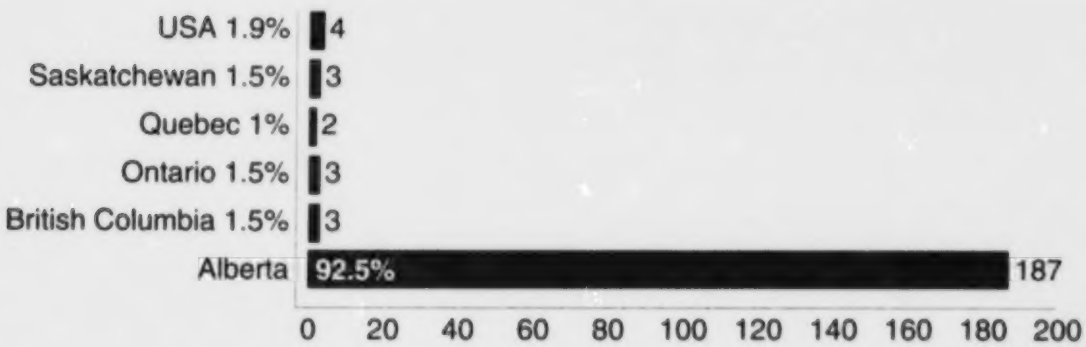


CHART 4 Distribution by Head Office Location



Notices and Comments

Notices

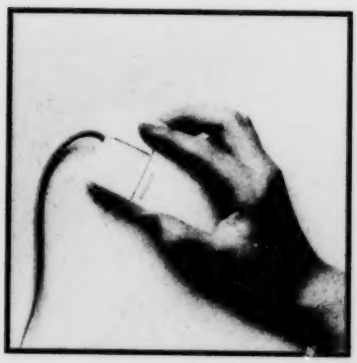
- This directory is based upon information provided to, but not verified by the Government of the Province of Alberta.
- Every effort has been made to ensure completeness and accuracy and to avoid errors or omission. Every attempt has been made to canvas as many companies as possible within the broadest context of software development. The information contained in this directory was provided by key companies who have indicated a desire to be included.
- This information is offered for your consideration, investigation and verification, and the above named parties disclaim any responsibility or liability whatsoever for costs or damages that a person may suffer in any manner whatsoever by making use of any part, or all of the information contained herein.
- Distribution of this directory and the appearance or absence of a company herein is not to be considered an endorsement or non-endorsement of a specific company, product or service.

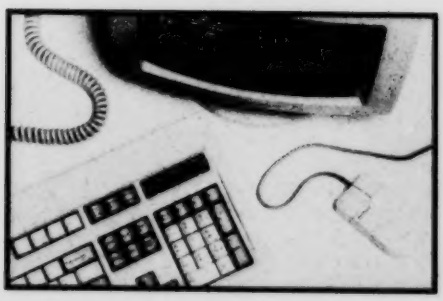
Comments

If you wish to be included in the next survey, or if you have any questions or comments, or require additional copies please contact:

Director, Information Technologies
Business Development & Marketing
Alberta Technology Research and Telecommunications
11th Flr., 10909 Jasper Avenue
Edmonton, Alberta T5J 3L9
Telephone: (403) 422-0561
Fax: (403) 422-2003

To more accurately provide company information relevant to the needs of users and readers, written responses concerning this directory are welcome.



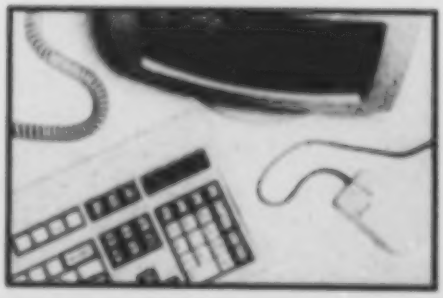


List of Companies

A C T C Technologies Inc.
A I S Consulting Ltd.
A. Comeau & Associates Ltd.
Abacus Computer Service
Accelerated Software
Accounting by Graphics (Int'l) Inc.
Amtek Testware Div. of Atlantic Research Canada
Andromeda Computer Systems Ltd.
Apogee Systems Corp.
Applied Engineering Sciences Group Ltd.
Applied Terravision Systems Inc.
Aspen Computing Solutions (Edmonton) Ltd.
Associated Stationers
Aurora Bar Code Technologies Ltd.
Auscan Data Services
Auto-Administrator Int'l Inc.
Axion Spatial Imaging Ltd.
B & B Computer Applications Ltd.
B K B Engineering Ltd.
BenchMark Technologies Ltd.
Bethel Software Inc.
Biomech Designs Ltd.
Brysco Services
C D Pubco Inc.
C M S Corporate Management Systems Ltd.
C R B Data Systems Ltd.
C S I Custom Solutions Inc.
CIFE (Canadian Institute of Formation Evaluation) Ltd.
CU Services, a Division of Canadian Utilities Ltd.
Cadmatic Canada Inc.
Candella Group
Canesia International Inc.
Canex Exploration Services Ltd.
Cansel Survey Equipment Ltd.
Canuck G I E Engineering Ltd.
Certified Software
Christie Communications
Chronologic Systems Inc.
Cipher Systems Ltd.
Co-Design Information Systems Ltd.
Comgen Software Services Ltd.
Commonwealth Geophysical Development Co. Ltd.
Compu-Group Consultants Inc.
Compudata Systems Consulting Inc.
Compudoc Systems Ltd.
Compuseis Data Systems Ltd.
Computer Modelling Group
Comsoft Inc.
Customers Choice Ltd.
D & S Knowledge Systems Inc.
D. B. Robinson and Associates Ltd.
D G L Software Services Ltd.
D K W Systems Corporation
D M R Group Inc.
D-Tech-T Inc.
DATAP Systems
Daniel Computing Systems Inc.
DataPath Support Group Inc.
DataSpan Technology Inc.
Dataworks Inc.
Datek Industries Ltd.
Datrek Hospitality Systems Ltd.
Deltek Software Systems Ltd.
Dyad Systems Group Ltd.
E C L Petroleum Technologies
E D M Management Systems Inc.
E F A Software Services Ltd.
ESTec Systems Corp.
El-Kow Software Systems Inc.
Elan Consulting Group Inc.
Engineered Systems
Expert Simulations Inc.
Fazer Systems Inc.
Fekete Associates Inc.
FirstClass Systems Corp.
FitzPatrick Engineering Ltd.
G D S & Associates Systems Ltd.
G M A
G M T Software Systems Ltd.
G W N Systems Inc.
General Computer Systems (Genesys) Ltd.
Generation 5 Technology Canada
Generation Systems
Geo-Slope International Ltd.
GeoGraphix Inc.
Global Enterprise System Support Group
H M Computer Systems Inc.
Hagel M W Consulting Ltd.
Hampson - Russell Software Services Ltd.
Hewlett-Packard (Canada) Ltd.
Hinz Consulting Ltd.
Howell Mayhew Engineering Inc.
Humana Computer Support Inc.
Humana Training Centres Inc.
Hyprotech Ltd.
I C L Isometrics Consulting Ltd.
I R M Systems Inc.
ImaTeq Systems Corporation
Image Club Graphics Inc.
Info-Eze Inc.
Integrated Systems Applications Corp.
Inter-Soft Systems Ltd.
Intera Information Technologies Corp.
International Software Systems Inc.
Itres Research Ltd.
J D A Software Services Ltd.
Jonas & Erickson Software Technology Inc.
Jones Agricomp Services Ltd.
K C Woods & Associates Ltd.
Kaydex Systems Ltd.
Keith Hamilton Computer Consulting Ltd.
Kelman Seismic Processing Inc.
Keyword Office Technologies Ltd.
Krushelnicki & Spyker
Kwok Consulting Group Ltd.
Lakewood Systems Ltd.
Landmark Graphics Canada Ltd.
Lawgic Computer Systems Inc.
Logic Resources
MAConsultants
Marimex Industries Ltd.
Matson Computing Inc.
Mazuryk Petroleum Consulting Ltd.
Micro Computer Systems Training Centre
Micro Imaging Ltd.
Micro Systems Unlimited
Micrologic Limited
Microlynx Systems Ltd.
Micros In Business Inc.
Minerva Technology Inc.

Mitre Software Corporation
Mountain Marketing Group (Cariden)
Munro Engineering Inc.
Neotechnology Consultants Ltd.
Nichols Advanced Technologies Inc.
Ninga Software Corporation
Nortech Surveys (Canada) Inc.
Norwest Labs
Novate Enterprises Inc.
Nucleus Data Systems Inc.
Ocelot Computer Services Inc.
Optical Data Systems Inc.
Oracle Corporation Canada Inc.
P & A Computer Corp.
P P M 2000 Inc.
Panda Systems Ltd.
Peat Marwick Thorne Information Systems
Pelican Software Ltd.
Power Stations
Precise Systems Corp.
Price & Waddingham Computer Systems Inc.
Price Waterhouse
Promek Consulting Ltd.
QByte Services Ltd.
Quest Consulting Group Inc.
R S I Retail Solutions Inc.
Reath Laerz Associates Ltd.
Res-Soft Technologies Inc.
Riley's Datashare International Ltd.
Rinax Systems Ltd.
S N C Inc.
Safeguard
Saiga Systems Inc.
Sector Software Inc.
Sequoia Information Systems Ltd.
Shana Corporation
Silatech Microsystems Inc.
Simply Software Services Ltd.
Simtech Consulting Services Ltd.
Slideworks Inc.
Software Integration Services
Softwarehouse (West) Inc.
Southern Computer Services Ltd.
Spectrum 2000 Mindware Ltd.
Sprint Systems Consulting Ltd.
Standard Computing
Standard International Training Centers
Sundance Software Inc.
SynerLogic Inc.
Systematix Consultants Inc.
T C Consulting Services
Taylor Industrial Software
Techsonix (Canada) Ltd.
Teknica Petroleum Services Ltd.
The 10 Planner Corporation
The AND group Inc.
The Arlington Consulting Group
The Training Group Inc.
Total Computers Ltd.
Tri Tec Systems Ltd.
Unexsys Systems Inc.
UniCare Integrated Software Inc.
Unisun Ltd.
User's Choice Data Management Tech Ltd.
Virtual Computing Services Ltd.
WNDX Corporation
Western Industrial Systems Ltd.
Western Research
Willowglen Systems Ltd.
Xentel Inc.
XI Canada Ltd.
Zycor Canada

Y
U
I
O
H
J



Legend

☎ TELEPHONE

TELEX

FAX

MAIL

ACTC Technologies Inc.

#350, 6715 - 8 Street N.E.
Calgary, Alberta
T2E 7H7

☎ 295-5900

295-5999

Executive Officer(s)
Ronald George *President - C E O*
Arun Gatha *Exec. V P C O O*
Brian Westcott *V P - Operations*

No. of Employees in Alberta	*50-100*
Firm established in	*1988*
Firm started commercial software activities in	*1982*

Contact Person Don Siler

Technical Environment

Hardware Platforms

Mini
- IBM

Workstation
- IBM

Micro
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- OS-400

Programming Language
- RPG

Programming Environment
- SAA

Applications

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Assets management
- Financial control/ planning

Marketing & Sales
- Material/ stock management
- POS (point of sale) & order entry/ order processing

Manufacturing Software
- MRP (Material/Manufacturing Resource Planning)

Target Market

Resource Industries
- Forestry
- Oil & gas extraction industry
- Steel

Manufacturing & Processing Ind.
- Clothing
- Construction & housing
- Fabricated metal industry
- Furniture

Service Industry
- Distribution/wholesale services industry

Company Profile & Focus

ACTC Technologies Inc. has been successfully involved in contracted software engineering since 1983, when it undertook its first contract as a division of the University of Calgary.

Initially, ACTC'S activities involved the development of quality systems level software, which remains an integral part of the ACTC operation. ACTC's unique skill set, however, has also allowed it to become a major North American centre for migration and conversion of software directed into the Open Systems environment. This capability has allowed ACTC to offer unique services to the marketplace. Additionally, ACTC has contracted to provide worldwide support and maintenance of a specific operating system for a major international vendor.

ACTC has recently established The ACTC Institute for Computing Studies under the Private Vocational Schools Act of Alberta. This institute will provide an intensive 20 week immersion program to individuals wishing to gain the knowledge necessary to become involved in commercial computer programming.

ACTC is also in the process of working with a number of corporations to design and execute specific customized training and education programs under contract. ACTC is also examining the viability of product development.

Specialization
UNIX, compilers, data communication, application porting (to UNIX), data base development.

Major Clients
IBM, CDC, Bull HN, Motorola.

International Sales
USA, France, Italy, Great Britain.

Products Offered

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• FORUM	Conferencing system	NOS/VE, UNIX, Multics	1990	new

A I S Consulting Ltd.

#450, 839 - 5 Avenue S.W.
Calgary, Alberta
T2P 3C8

☎ 234-0188

264-3067

Branch Office
Edmonton, AB

☎ 462-3020

Executive Officer(s)
Jamie Lindenbach *President*
Allan Brown *Treasurer*
David Majko *Secretary*

No. of Employees in Alberta	***16-24***
Firm established in	***1983***
Firm started commercial software activities in	***1984***

Contact Person Jamie Lindenbach

Technical Environment

Hardware Platforms
Mini
- IBM

Workstation
- IBM

Micro
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- OS-400

Programming Language
- RPG

Programming Environment
- SAA

Applications

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Assets management
- Financial control/ planning

Marketing & Sales
- Material/ stock management
- POS (point of sale) & order entry/ order processing

Manufacturing Software
- MRP (Material/Manufacturing Resource Planning)

Target Market

Resource Industries
- Forestry
- Oil & gas extraction industry
- Steel

Manufacturing & Processing Ind.
- Clothing
- Construction & housing
- Fabricated metal industry
- Furniture
- Service industry
- Distribution/wholesale services

Company Profile & Focus

A I S Consulting is the author of a fully integrated accounting package, originally developed for the oilfield service and supply industry. Subsequent development has resulted in a software package for wholesale distribution management. Services include business analysis, software/hardware consultative services, system implementation and training services, custom software development.

Specialization

Distribution management system, fully integrated accounting package including inventory management, order entry, rentals.

Notes & Comments

IBM business partner. IBM Blue Ribbon Business Partner for each of the past five years.

Products Offered

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ RENTAL	Commercial products rentals	OS/400	1987	
■ STEEL	Steel wholesaler distribution	OS/400	1988	
■ OFS	Oil field: OCTG, Valves, Fittings	OS/400	1985	
■ SHIPPING	Shipping supplies distribution	OS/400	1987	
■ MUD	Oilfield mud services and distribution	OS/400	1988	
■ USED	Used equipment sales and service		1988	
■ FAB	Work order fabrication: sales and service		1989	
■ ELEC.	Electrical wholesale distribution		1989	

A. Comeau & Associates Ltd.

4718 - 90A Avenue
Edmonton, Alberta
T6B 2P9

☎ 465-9961

J 037-2966

• 465-4990

Branch Office

☐ Midland, TX

Executive Officer(s)

Alf H. Comeau *President*
Don W. Kelly *Vice President*

No. of Employees in Alberta	***25-49***
Firm established in	***1976***
Firm started commercial software activities in	***1983***

Contact Person Neil M. McNeil

Technical Environment

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- QNX

Programming Language
- Assembler
- BASIC
- C

Graphical User Interface
- QNX

Programming Environment
- QNX

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools

Graphics
- Computer graphical user interfaces

Office Automation
- Inventory control
- MIS management information systems
- Records/ document management

Asset Management
- Data acquisition/ remote sensing/ etc.

Manufacturing Software
- Process control

Target Market

Manufacturing & Processing Ind.
- Petrochemical industry

Professional Services
- Engineering

Company Profile & Focus

A. Comeau & Associates Ltd. is an Alberta-based company which provides electrical engineering and design services to the oil and gas industry. In 1979, the company began manufacturing electronic control products for the control of submersible pumps. The company now has a comprehensive line of control and protection devices for the oil and gas industry. With over 75 line items. The company specializes in automation projects and system integration of multi-vendor control equipment. Products such as SCANWELL offer the client the capability to monitor and control entire production facilities. ACA markets its control packages through distributors on five continents.

Specialization

SCADA and process control software to provide a direct link to industrial facilities.

R&D Activities

Development of protocols for communication to multi-field devices.

Major Clients

Esso, EXXON, Home Oil, AEC, Gulf Oil, Shell, AMOCO, Mobil.

International Sales

Most sales made by submersible pump manufacturers, complemented by technical seminars by the company's engineering staff.

Notes & Comments

Technical papers have been published by the IEEE and the SPE in support of engineering and product development.

Products Offered

Name	*Description*	*Operating System*	*Year Int.*	*No.*
SCANWELL	SCADA software	QNX/PC based	1983	122
ADA^T	Control software	DOS/PC based	1988	2
W489	Keltronics RTU		1984	100+
K973	Keltronics MPU		1979	400+
K687	Keltronics SPC		1986	300+
SURGE STOP	Surge filters		1980	100+
K095	Keltronics AMC		1991	10
K889	Keltronics SMC		1988	100+

Abacus Computer Service

34 Wren Crescent
Sherwood Park, Alberta
T8A 0G5

☎ 467-8634

• 436-3528

Executive Officer(s)
Hans J. Rakow, CDP, IS *Principal*

No. of Employees in Alberta *1-5*
Firm established in
Firm started commercial software activities in *1976*

Contact Person Hans J. Rakow

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- CP/M
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)
- PICK
- UNIX

Programming Language
- BASIC
- C
- OOPS - C++ & all other
- PASCAL

Graphical User Interface
- OSF/Motif
- Presentation Manager - PM
- X-Window
- Windows

Programming Environment
- CASE
- Oracle
- PowerHouse
- APOGEE
- Advanced Revelation

SHELLS
- AI & expert system shell
- SQL

Add Ins
- to dBase
- to 1-2-3

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software
- Expert systems shells

Office Automation
- Project management
- Scheduling

Accounting and Finance
- Contract progress billing

Manufacturing Software
- MRP (Material Manufacturing Resource Planning)

Engineering & Science
- Civil engineering software
- Structural analysis

Target Market

Manufacturing & Processing Ind.
- Fabricated metal industry

Professional Services
- Architects
- Engineering

Company Profile & Focus

Abacus Computer Service is an Alberta-based company specializing in the development of microcomputer software applications for small to medium size metal fabrication, machine shop, millwork and similar custom manufacturing companies, especially in construction and civil engineering. Abacus Computer Service develops: integrated flexible manufacturing software (FMS) systems including material takeoffs and BOMBS (both English and metric); custom-tailored cost estimates and bids (incorporating graphic and artificial intelligence elements such as expert systems); operations control including contract management, expediting, change order control, shop drawing control, just-in-time (JIT) scheduling of work and materials and shop production flow control; data extraction for progress invoicing and tax calculation including credits and extras based on actual shipments, not estimates; projection of materials, labour and financial requirements (MRP II); job efficiency and client experience feedback for future quotes; etc.

Specialization
Vertical markets, consulting, micro computing.

R&D Activities
Manufacturing data control.

Major Clients
Small to medium size custom manufacturing companies.

International Sales
Direct, distributors, classified ads in trade journals (USA only), co-marketing (USA only).

Products

Name	Description	Operating System	Year Int.	No.
• STREST	Structural steel estimation package	MS/DOS	1976	
• INTEGRATED MANUFACTURING SOFTWARE	on custom basis			

Accelerated Software

15910 - 112A Street
Edmonton, Alberta
T5X 4X3

☎ 456-9163

• 457-3582

Executive Officer(s)
Kuen Yee *President*

No. of Employees in Alberta ***1-6***
Firm established in
Firm started commercial software activities in ***1988***

Contact Person Kuen Yee

Technical Environments

Hardware Platforms
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- C

Programming Environment
- dBase & clones

Applications

Connectivity
- DBMS (data base management systems)

Accounting and Finance
- Billing & invoicing

Target Market

General Business
- General business/ public at large - all sectors

Service Industry
- Retail trade

Professional Services
- Computer/ software specialists/ MIS department
- Medical offices
- Other health care professionnals

High Technology
- Computer software

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments

Company Profile & Focus

Accelerated Software is an Alberta-based company that develops and markets PRO-dVelBase, a non-programmable relational database management system that is dBase compatible. When the firm started in 1988, they developed and marketed Medi-Base, a software program for Alberta Health Care billings. Their target market was Alberta medical doctors who were single practitioners or in small group practice. Based on their experience with medical billings, Accelerated Software expanded to the area of database management systems. Presently, they are developing and marketing PRO-dVelBase as a commercial software package. This product is targeted at small businesses to assist them in keeping track of inventory and to generate reports, invoices, labels, etc. It allows end users, who have no programming background, to design sophisticated database systems. Accelerated Software will continue to specialized in the area of database management systems.

Specialization
Database management systems.

Major Clients
Terra Losa Medical Clinic, Family Care Clinics, Dr. Hugh Stewart, Auto Tech.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ MEDI-BASE	Alberta Medical Health Care billings	PC or MS/DOS	1988	
■ PRO-dVelBase	Non-programmable, relational DBMS that is dBase compatible	PC or MS/DOS	1990	

Accounting by Graphics (Int'l) Inc.

#304, 1324 - 11 Avenue S.W.
Calgary, Alberta
T3C 0M6

☎ 229-3161

• 244-9270

Executive Officer(s)
Nick Laroche *President*
Harvey A. Kraft *V P - Operations*

No. of Employees in Alberta	***1-6***
Firm established in	***1985***
Firm started commercial software activities in	***1988***

Contact Person Harvey A. Kraft

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Clones

Operating Systems
- PC-DOS (same as MS-DOS)

Programming Language
- C
- PASCAL (Turbo)

Applications

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Payroll
- Job costing

Target Market

General Business
- General business/ public at large - all sectors

Manufacturing & Processing Ind.
- Construction & housing

Professional Services
- Accountants
- Administrators
- Business consulting

Government & Education
- School boards
- Universities & colleges
- Other educational institutions

Company Profile & Focus

Accounting by Graphics is the developer of the popular and easy to use small business software package called Accounting With Pictures. Accounting With Pictures enables the small business person to stay organized when it comes to accounting. Current, accurate financial and operational information is available at their fingertips. Accounting With Pictures has hundreds of customers across Canada and is used in educational institutions for training micro-accounting. Accounting With Pictures has the unique design of presenting on the computer screen common accounting documents in full colour. Simple processing commands are presented to the user. This user interface dramatically reduces the learning process associated with new software. Accounting With Pictures is supported by a dealer network across Canada and a national toll free telephone number.

Specialization
Job costing for the contracting industry.

Major Clients
A-1 Auto Body - Calgary; ASTI Concrete - Calgary; Calgary Business Services - Calgary.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ ACCOUNTING WITH PICTURES	Easy to use accounting	MS-DOS	1988	1500

Amtek Testware Div. of Atlantic Research Canada

5104 - 82 Avenue
Edmonton, Alberta
T6B 0E6

☎ 466-6953

• 469-1397

Executive Officer(s)
Laurie McClare *V P & Gen. Mng.*
T. C. Canning *V P - Business Dev*

No. of Employees in Alberta	***50-100***
Firm established in	***1987***
Firm started commercial software activities in	***1987***

Contact Person Howard Der Stepanian

Technical Environments

Hardware Platforms
- DEC
- HP
- IBM
- 386 486 - all makes
- Macintosh

Operating Systems
- Apple DOS 3.3
- MS-DOS/PC-DOS
- MVS
- UNIX
- VAX-VMS

Programming Language
- ADA
- BASIC
- C
- COBOL
- PASCAL
- ATLAS

Graphical User Interface
- X-Window

Programming Environment
- VAX-VMS, UNIX
- IBM PC/DOS
- Macintosh

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software
- Data handling tools

Graphics
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)
- Graphics tools (digital video capture & processing/ screen capture/ scanning/software

Word/ Text Processing
- DTP (desk top publishing)
- Word processing

Connectivity
- DBMS (data base management systems)

Accounting and Finance
- Property evaluation/ assessment

Asset Management
- Maintenance/ building/ machinery/ vehicles/ etc.
- Logistic analysis

Engineering & Science
- Electrical engineering software
- Engineering computational tools

Target Market

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Electrical equipment
- Electronic equipment industry
- Petrochemical industry

Service Industry
Transportation industry
- Air
- Rail
- Trucking

Professional Services
- Engineering

High Technology
- Computer software
- Defence & aerospace

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- Defence sector

Amtek Testware Div. of Atlantic Research Canada

Company Profile & Focus

AMTEK Testware Division of Atlantic Research Canada was founded in 1987 as AMTEK TESTWARE LTD. to provide professional services in the areas of Automatic Test Equipment (ATE) design, development and engineering, with a focus on test software development. The company also markets its own LAAMS software package. LAAMS is a reliability/maintainability-driven life cycle data management system.

ATL, under contract to the Department of National Defense (DND), provides engineering and software development support to the CF-18 Radar Test Station. This program employs eleven full-time people at our Edmonton facility as well as field service representatives at Cold Lake, AB, Bagotville, PQ, and Baden, West Germany.

ATL is a member of a consortium that will build the New Shipborne Aircraft (NSA). The company's role will be to design and develop test software for the avionics and missions systems. This work is expected to commence early in 1992 and will create 55-60 full-time jobs at our Edmonton facility.

Specialization

Software development for ATE; design, development and engineering of software development stations; advanced military software development.

Major Clients

Hughes Aircraft Co., Bristol Aerospace, Bombardier, Department of National Defense, Honeywell, Computing Devices Company, Paramax Electronics, EH Industries.

International Sales

Aerospace Trade Shows in USA, Canada, Pacific Rim; market efforts aimed at US, Australia, Pacific Rim; recent sales in Australia, South Korea.

Notes & Comments

Quality and standards - AQAP-13; DOD STD 2167A and 2168, currently embarked on AQAP-1 Cert. function program.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ LAAMS	ILS Management	DEC VAX & IBM mainframe	1985	8
■ Custom Software	Customer requirements	VMS & UNIX, DOS, MAC	1987	
■ Custom Test Systems	Customer requirements	Custom	1988	
■ Test Program Sets	ATE Software	ATLAS, BASIC	1983	

Andromeda Computer Systems Ltd.

8043 - 33 Avenue N.W.
Calgary, Alberta
T3B 1L5

☎ 247-5300

Executive Officer(s)
John Heerema *President*
R. E. Heerema *Vice President*

No. of Employees in Alberta ***1-6***
Firm established in ***1981***
Firm started commercial software activities in ***1981***

Contact Person John Heerema

Technical Environments

Hardware Platforms

Mainframe

- CDC
- IBM
- Data General
- DEC
- Sun
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems

- AIX
- AU/X
- Apple Mac (finder/MultiFinder)
- MS-DOS/PC-DOS
- MVS
- MVS-TSO
- MVS-XA
- OS-MVS
- OS-MVT
- OS-VMS
- PC-DOS (same as MS-DOS)
- TOPS
- UCSD-p-System
- UNIX
- VAX-VMS

Programming Language

- ALGOL
- Assembler
- BASIC
- C
- COBOL
- FORTH
- FORTRAN
- LISP
- Modula-2
- OOPS - C++ & all other
- PASCAL
- PL/1

Graphical User Interface

- Display Postscript
- Generic - PHIG
- Generic - HOOPS
- Mac
- Open Look
- OSF/Motif
- Presentation Manager - PM
- Windows

Programming Environment

- CASE
- Natural
- Adabas
- AI & expert system shell
- CICS
- IDMS
- IMS/ IMS-DB/ IMS-DC

LAN SHELLS

- Netware/ Advanced-Netware
- TOPS

Add Ins

- to scientific

Applications

DP & Computer Sys. Applic.

- Artificial intelligence software
- Data capture/ validation

Graphics

- Computer graphical user interfaces

Connectivity

- LAN (local area network)

Office Automation

- "Groupware"/ all variants
- Inventory control
- MIS management information systems
- Project management
- Scheduling

Education & Training

- Music-tuning

Manufacturing Software

- MRP (Material/Manufacturing Resource Planning)
- Process control

Engineering & Science

- CAE (computer aided engineering)
- Electrical engineering software
- Engineering computational tools
- Mathematical applications/ simulation software
- Mechanical engineering software
- Statistical applications software

Target Market

General Business

- General business/ public at large - all sectors

Resource Industries

- Oil & gas extraction industry

Professional Services

- Business consulting
- Computer/ software specialists/ MIS department

High Technology

- Computer software

Government & Education

- School boards
- Universities & colleges
- Music schools

Andromeda Computer Systems Ltd.

Company Profile & Focus

Andromeda Computer Systems Ltd. offers consulting services and custom software products in a variety of areas. These include scientific and engineering software development, Macintosh and Windows custom software development, knowledge engineering, software safety audits and project assessment services, mathematical development, and scheduling systems.

The company has also developed two commercial software packages for the Apple Macintosh computer. Master Tuner(TM) turns a computer into a sophisticated tuning meter and Farallon MacRecorder(TM) audio digitizer. Temperament Designer allows the user to design musical temperaments. These can be exported to Master Tuner, or to a MIDI device.

Specialization

Scientific software development; Macintosh developer.

R&D Activities

Goal-directed manipulation of temporal networks; Real-time extraction of fundamental frequencies.

International Sales

Trade shows: MacWorld, National Music Educators, Early Music Festivals. Distribution: Mail order and dealers.

Notes & Comments

We use the IEEE 730 standard for software quality assurance plans.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ MASTER TUNER(tm)	Musical tuning aid	Macintosh	1989	
■ TEMPERAMENT DESIGNER		Macintosh	1991	

Apogee Systems Corp.

#717, 630 - 8 Avenue S.W.
Calgary, Alberta
T2P 1G6

☎ 265-0675

• 237-6498

Executive Officer(s)
Stephen Mickelsen *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1988*
Firm started commercial software activities in	*1988*

Contact Person Stephen Mickelsen

Technical Environments

Operating Systems
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- PC-DOS (same as MS-DOS)

Programming Language
- Assembler
- Binary - Machine
- C

Graphical User Interface
- Presentation Manager - PM
- Windows

Programming Environment
- Netware/ Advanced-Netware

Add Ins
- to operating systems

Applications

DP & Computer Sys. Applic.
- Data security/ encryption/ cryptography/ virus protection/ copy protection

Office Automation
- Agenda/ calendar
- "Groupware"/ all variants

Target Market

General Business
- General business/ public at large - all sectors

Professional Services
- Accountants
- Administrators
- Legal services / lawyers

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments

Company Profile & Focus

Apogee Systems Corp. is the creator and publisher of OPTIONS, a software management system for MS-DOS based personal computers.

OPTIONS, now in its second edition, combines menuing, access control, security, macros, usage tracking and desktop accessories into one easy to use package. OPTIONS is available in both stand-alone and network versions. Site-licensing is also available.

International Sales

Apogee Systems participates in both the Fall Comdex and PC-Expo Trade Shows in the USA.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ OPTIONS	SINGLE USER	MS-DOS, PC-DOS	1989	
■ OPTIONS	NETWORK	DOS networks	1990	

Applied Engineering Sciences Group Ltd.

1718 - 34 Street S.E.
Calgary, Alberta
T1A 1A3

☎ 248-1100

• 273-6159

Branch Office
Regina, SK

☎ 565-2920

No. of Employees in Alberta ***N/A***
Firm established in
Firm started commercial software activities in ***N/A***

Contact Person Alfred Hunka

Technical Environments

Hardware Platforms
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- C
- Prolog
- Clipper, CDL

Graphical User Interface
- Windows

Programming Environment
- Clipper
- dBase & Clones
- CADKEY, plant control
- Windows 3.0
- updating LAN

Add Ins
- to CAD

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software
- Data handling tools

Graphics
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)

Office Automation
- Human resources management
- Project management

Education & Training
- CADKEY training

Marketing & Sales
- Merchandising & direct sales

Engineering & Science
- CAE (computer aided engineering)
- Oil & gas (all engineer

Target Market

Resource Industries
- Oil & gas extraction industry

Professional Services
- Engineering

High Technology
- Computer software

Government & Education
- School boards
- Universities & colleges

Company Profile & Focus

Applied Engineering Sciences Group Ltd. (AESG) has had a growing consulting engineering practice in Alberta since 1974. Originally incorporated as A.W. Hunka & Associates, a consulting engineering group specializing in instrumentation and electrical services, AESG expanded its scope in 1978 to include other engineering aspects of design, construction, commissioning and operation within the petroleum industry.

The company is wholly owned by its active principals, all residents of Alberta and Saskatchewan. Offices are located in Calgary and Regina. Both offices offer services to the oil and gas industry provincially, nationally and internationally.

In recent years, AESG has made its proven and flexible computerized AMS Project Management System available to its clients. In addition to utilizing the CADKEY CADD system in-house for all our project and drafting work, we also market and support this powerful engineering design and drafting software. AESG staff can provide seminars and training to client personnel on either of these applications.

Applied Terravision Systems Inc.

#2800, 400 - 3 Avenue S.W.
Calgary, Alberta
T2P 4H2

☎ 266-9595

• 262-1855

Head Office

Coles Gilbert Associates Ltd.,
Calgary

☎ 266-9500

• 262-1855

Executive Officer(s)

Robert W. Tretiak *President*
Brian W. Allan *Secretary/Treasurer*
Fred C. Coles *Chairman of Board*

No. of Employees in Alberta	*7-15*
Firm established in	*1986*
Firm started commercial software activities in	*1987*

Contact Person Robert W. Tretiak

Technical Environments

Hardware Platforms

- Prime
- DEC
- HP
- IBM
- Sun
- 386 486 - all makes

Operating Systems

- AIX
- MS-DOS/PC-DOS
- MVS
- Sun-OS
- ULTRIX
- UNIX

Programming Language

- C

Graphical User Interface

- OSF/Motif
- X-Window

Programming Environment

- Oracle

Add Ins

- to 1-2-3

Applications

Asset Management

- Energy management applications
- GIS (geographic information systems)

Target Market

Resource Industries

- Oil & gas extraction industry

Company Profile & Focus

Applied Terravision Systems Inc. (ATS) is dedicated to providing totally integrated applications for land management, exploration, production and reserves, and software-partner products for finance and accounting. Working together, these applications represent a comprehensive corporate information system for the oil and gas industry.

ATS credits much of its success to the company's employee base. Employees have backgrounds in exploration, reserves, production, geology, land, economics and other market-specific areas. Coupled with in-depth knowledge of software development, ATS can meet oil and gas client application needs.

The company incorporates only the latest software and hardware technology into its application mix. ATS has pioneered the use of relational database and Structured Query Language (SQL) data management techniques on networks and industry-standard hardware platforms. As a result, "islands of information", traditionally isolated from all but a few employees and departments, are now globally available.

Specialization

Vertical database development for managing oil and gas information.

R&D Activities

Development of a standard database scheme for exploration and production data.

Major Clients

AMOCO Canada, Gulf Canada Resources, Encor Energy, Esso Resources, Husky Oil, Manitoba Hydro, Saskoil.

International Sales

ATS has an office in Houston, Texas to serve the needs of the US - based petroleum industry and has established agents for dealing with targeted international markets.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ WELLSCAN	Well management	Most systems	1988	10
■ PRODSCAN	Production history	Most systems	1989	6
■ LANDMAN	Lease management	Most systems	1988	4
■ RESCAN	Reserves management	Most systems	1988	3
■ CONTRACTS	Lease Contracts management		1990	2

Aspen Computing Solutions Ltd. (Edmonton)

#121, 17220 Stony Plain Road
Edmonton, Alberta
T5S 1K6

☎ 486-2466

483-1417

Executive Officer(s)
Harold Knopke
Shirley Knopke

No. of Employees in Alberta	*1-5*
Firm established in	*1984*
Firm started commercial software activities in	*1984*

Contact Person Harold Knopke

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)
- UNIX
- XENIX

Programming Language
- C
- COBOL

Graphical User Interface
- Open Look
- OSF/Motif
- Open Desktop

Programming Environment
- Informix
- Informix, Infoflex
- SQL
- Xenix, Unix

Applications

DP & Computer Sys. Applic.
- Data security/ encryption/ cryptography/ virus protection/ copy protection

Communications
- Communications software (e.g. ProComm/ CrossTalk)
- Terminal emulation

Education & Training
- Computer based training
- UNIX/XENIX support

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Inventory control

Target Market

General Business
- General business/ public at large - *all* sectors

Service Industry
- Distribution/ wholesale services industry
- Leisure/ recreation & sports
- Real estate
- Retail trade

Professional Services
- Accountants

Cultural Industries
- Audio/ film & video production
- Cultural product distributors
- Radio & television production and operation

Company Profile & Focus

Aspen Computing Solutions (Edmonton) Ltd. was founded in 1984 to provide computing solutions for business with special emphasis on multi-user solutions in the Unix/Xenix environment.

The main business of the company is to provide turnkey solutions ranging from software to hardware including training and support.

Although the original emphasis was on accounting solutions such as general ledger, accounts payable, accounts receivables, inventory and canadian payroll, which is still a major part of its business, the firm has developed special expertise in Canadian payroll and database applications such as inventory management. It has also developed and is marketing a package for video stores which will support any number of terminals, thus allowing unlimited growth.

In addition to the above, the firm provides 4GL products and a custom programming service in a number of languages.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ AVANTI	General ledger, A/P, A/R, payroll, inventory	UNIX/XENIX, DOS	1984	200+
■ COURSES & SUPPORT	UNIX/XENIX training & support	UNIX/XENIX	1984	00+

Associated Stationers

94 McKenney Avenue
St Albert, Alberta
T8N 2T7

☎ 459-3210

459-7438

Executive Officer(s)
Terry McKitrick *President*
Sue McKitrick *Secretary/Treasurer*

No. of Employees in Alberta	7-19
Firm established in	1982
Firm started commercial software activities in	1983

Contact Person Terry McKitrick

Technical Environments

Hardware Platforms
- IBM
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems
- Apple Mac (finder/MultiFinder)
- MS-DOS/PC-DOS
- UNIX

Programming Language

Applications

Office Automation
- Inventory control
- Purchasing

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Other accounting

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Asset Management
- Maintenance/ building/ machinery/ vehicles/ etc.

Target Market

General Business
- General business/ public at large - all sectors

Professional Services
- Accountants
- Administrators
- Architects
- Business Consulting

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments

Company Profile & Focus

Associated Stationers has been marketing general accounting software (A/R, A/P, GL) for four years. Recent additions include order entry with point of sale, purchase order, inventory, job cost, property management, and cash management capabilities. The company also markets an import manager and report maker, which can import and export data directly from and to many popular spreadsheet packages, such as Lotus 1-2-3.

Specialization
General accounting

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ GREAT PLAINS ACCOUNTING SOFTWARE		MS-DOS/Macintosh		

Aurora Bar Code Technologies Ltd.

#201, 17305 - 109 Avenue
Edmonton, Alberta
T5S 1H7

☎ 483-6025

484-8767

Executive Officer(s)
Ian W. Bowden *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1987*
Firm started commercial software activities in	*1987*

Contact Person Ian W. Bowden

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- PC-DOS (same as MS-DOS)

Programming Language
- Proprietary hand-held

Programming Environment
- Clipper
- dBase & Clones
- C

Applications

DP & Computer Sys. Applic.
- Data capture/ validation

Office Automation
- Correspondence/ administrative document tracking
- Inventory control
- Records/ document management
- Scheduling

Accounting and Finance
- Assets management

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Asset Management
- Data acquisition/ remote sensing/ etc.
- Maintenance/ building/ machinery/ vehicles/ etc.

Miscellaneous
- Voice/ audio/ analysis/ and processing

Manufacturing Software
- Quality control
- Shop floor data collect

Target Market

General Business
- General business/ public at large all sectors

Resource Industries
- Forestry
- Oil & gas extraction industry

Target Market (cont')

Manufacturing & Processing Ind.
- Automotive
- Clothing
- Electrical equipment
- Electronic equipment industry
- Fabricated metal industry
- Furniture
- Food products
- Industrial equipment & machinery
- Petrochemical industry
- Pulp & paper industry
- Textile/ knitting industry
- Other transportation equipment
- Wood products

Service Industry
- Banking & financial institutions
- Distribution/ wholesale services industry
- Hospital & health clinics industry
- Public utilities (hydro/ cable/ etc.)
- Retail trade
- Air
- Trucking

Professional Services
- Business consulting
- Computer/ software specialists/ MIS department
- Surveying & mapping

High Technology
- Laboratories
- Materials sciences

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Cultural Industries
- Newspapers publishers
- Publishing industry (books & magazines)

Company Profile & Focus

Aurora Bar Code Technologies Ltd.'s prime purpose is to supply and support the utilization of keyless data entry technology and portable data entry terminals. The impact of such a systems is a more accurate, timely and reliable database.

Aurora can supply the following: bar code readers equipped with any type of contact (e.g. wand) or non-contact (e.g. laser) input device; off-line portable data entry terminals; shop floor data collection terminals and systems; preprinted bar code labels in any size and configuration for any application; blank label stock for specialized applications; bar code label printers utilizing dot-matrix, formed-font, thermal and laser technology; bar code label production software; bar code masters, menus, template, business forms, and ID Cards; OCR (Optical Character Recognition) page and line scanning systems; magnetic stripe readers and encoders; voice input systems; scriptwriter, the portable, handwritten text input tablet; application software customized for any non-off-the-shelf application; and consultation and project contracting.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ FATS	Fixed Asset Tracking System	MS/DOS	1990	3
■	Tool Crib Circulation System	MS/DOS	1990	

Auscan Data Services

P.O. Box 71007,
Silver Springs Post. Outlet
Calgary, Alberta
T3B 5K2

☎ 288-9349

Executive Officer(s)
James A. Standen *President*
Sheri L. Standen *Vice President*

No. of Employees in Alberta	*1-6*
Firm established in	*1984*
Firm started commercial software activities in	*1984*

Contact Person Jim Standen

Technical Environments

Hardware Platforms
- PC and XT(806x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- PASCAL
- Paradox 3.5

Programming Environment
- Paradox 3.5

Applications

DP & Computer Sys. Applic.
- Data capture/ validation

Word/ Text Processing
- Specialized editors (e.g. Brief/ personal editor/ etc.)

Accounting and Finance
- Financial control/ planning

Target Market

General Business
- General business/ public at large - all sectors

Service Industry
- Tourism/ hotel industry
- Wedding planners

Professional Services
- Wedding planners

Company Profile & Focus

Auscan Data Services is the developer of a single package, "The Personal Computer Wedding Planner". The program is used by the bride and groom to plan and organize all the components of their wedding including Invitations, RSVP's, gifts, thank-you cards, time management, budget, etc. The package has been available through Auscan Data Services since December, 1988, and through its Australian distributor, Dataflow Pty. Ltd. of Sydney, since January, 1990. The product has good potential for growth as there is no competitive product in the marketplace.

The Potential U.S. sales have been estimated to be greater than $10 million annually. The product has been evaluated by several groups including the New Venture development group of the University of Calgary.

Specialization
Marketing of our own software package "The Personal Computer Wedding Planner".

International Sales
The company has signed a distributor agreement with Dataflow Pty. Ltd. of Sydney, Australia. Dataflow will manufacture, distribute and promote the product while returning a royalty payment on each unit sold.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ THE PERSONAL COMPUTER WEDDING PLANNER	An organizational tool for the bride and groom	DOS	1988	300

Auto-Administrator Int'l Inc.

#210, 2720 - 12 Street N.E.
Calgary, Alberta
T2E 7N4

☎ 291-9871

• 291-9870

Executive Officer(s)

Ray Schoepter *President*
Peter Howard *Secretary Treasurer*
Richard Hornder *Member of Board*

No. of Employees in Alberta	*7-15*
Firm established in	*1984*
Firm started commercial software activities in	*1984*

Contact Person Ray Schoepter

Company Profile & Focus

Information was not provided.

Specialization

Municipal, school board; gas co-op's and other utilities software.

Major Clients

Town of Radcliffe, Alberta, and Watson Lake, Yukon.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• AUTO-ADMINISTRATOR	For municipalities, school boards & utilities	8088 - 80486 DOS, MOS, UNIX		
• GAS-ADMINISTRATOR	Special version for gas- co-op's	8088 - 80486 DOS, MOS UNIX		

Axion Spatial Imaging Ltd.

#301, 10240 - 124 Street
Edmonton, Alberta
T5N 3W6

☎ 488-3565

• 488-3889

Executive Officer(s)
Tomislav Milinusic *President*
Ron Arnold *Dir. Int. Marketing*

No. of Employees in Alberta	***1-6***
Firm established in	***1984***
Firm started commercial software activities in	***1984***

Contact Person Tomislav Milinusic

Technical Environments

Hardware Platforms
- Data General
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- UNIX
- XENIX

Programming Language
- ADA
- C
- FORTRAN

Graphical User Interface
- New Wave
- Open Look
- OSF/Motif
- X-Window
- Windows

Programming Environment
- Clipper
- dBase & Clones
- Oracle
- PowerHouse

Add Ins
- to dBase
- to scientific
- to operating systems

Applications

Graphics
- Computer graphical user interfaces
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)

Applications (cont')

- Graphics tools (digital video capture & processing/ screen capture/ scanning/sof

Communications
- Gateway/ communication networks

Connectivity
- DBMS (data base management systems)
- Standard dbms

Engineering & Science
- Mathematical applications/ simulation software
- Statistical applications software
- Surveying & mapping software

Target Market

Resource Industries
- Fisheries
- Forestry
- Mining
- Oil & gas extraction industry

Service Industry
- Air
- Marine
- Rail
- Trucking

Professional Services
- Surveying & mapping

High Technology
- Defence & aerospace

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments

Company Profile & Focus

Axion Spatial Imaging Ltd. specializes in the manufacture and implementation of GPS-based tracking systems. It is principally a software company that provides hardware and software integration solutions for advanced tracking and surveillance uses linked to the Global Positioning System (GPS) for both airborne and maritime environments. Axion's team of management, technical and programming staff is capable of undertaking geographic information system projects anywhere in the world, offering innovative and unique solutions to global mapping applications for real-time applications with a world-wide data scope. Axion has representatives in the United States, United Kingdom, Korea, Malaysia, Saudi Arabia, Italy, Cyprus, and other countries.

Axion also provides software development and consulting servises including geographic information systems development, large cartographic database implementation including cd-rom and Unix and workstation graphic user interface development using ADA and C.

Specialization

World-wide GIS coverage, 3-dimensional display systems, Digital Eleveation Model and object-oriented cartographic primitive integration.

Major Clients

Agriculture Canada, Government of Alberta, Communications Canada.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ AXIONAV-AIR	Airborne Tracking & Mapping Software	UNIX, DOS	1991	
■ AXIONAV-SEA	Sea Tracking & Mapping	UNIX, DOS	1991	
■ DMS-GIS	Decision Management GIS	UNIX, DOS	1990	3

B & B Computer Applications Ltd.

#910, 640 - 6 Avenue S.W.
Calgary, Alberta
T2P 1G7

☎ 237-6835

237-0261

Executive Officer(s)
Gary Biagioni *President*

No. of Employees in Alberta	***1-6***
Firm established in	***1982***
Firm started commercial software activities in	***1989***

Contact Person Gary Biagioni

Technical Environments

Operating Systems
- HP-UX
- PC-DOS (same as MS-DOS)
- UNIX
- XENIX
- Sun-OS

Programming Language
- Assembler
- BASIC
- C
- OOPS - C++ & all other
- PASCAL

Graphical User Interface
- OSF/Motif
- X-Window

Programming Environment
- Bourne, Csh

Applications

Asset Management
- Data acquisition/ remote sensing/ etc.

Manufacturing Software
- Process control
- Robotics and automation/ materials handling

Engineering & Science
- Laboratory & instrumentation software
- Surveying & mapping software

Target Market

Resource Industries
- Oil & gas extraction industry

Service Industry
- Environmental services

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments

Company Profile & Focus

B & B Computer Applications Ltd. is an Alberta company that provides software and integration services to Supervisory Control and Data Acquisition (SCADA) users.

The company was formed in 1979 and incorporated in 1982. Originally providing custom software for a number of different types of SCADA systems, the company has grown to include on-call systems support as well as system integration services. The company provides services for a range of systems from Remote Terminal Units (RTUs) to complete SCADA systems. Currently, B & B supplies turnkey solutions using Hewlett Packard's RTAP/PLUS product.

B & B has established a firm client base in Alberta and has recently expanded into Asia and the U.S.A. with its services.

Specialization
Hardware and software integration of SCADA systems.

Major Clients
Companies using SCADA system to control process such as major oil companies, gas distribution, or pipeline companies.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ MODHOST	Modbus master for HP	HP 48050/60 RTV	1990	10
■ MODSLV	Modbus slave (emulation)	HP 48050/60 RTV	1990	1
■ SCADA MASTER	SCADA Host system	HP/RTAP, UNIX	1990	

B K B Engineering Ltd.

11211 - 76 Avenue
Edmonton, Alberta
T6G 0K2

☎ 438-2531

Executive Officer(s)
Gordon Blinston *President*
Paul Barrow *Vice President*
Rod Haarstad *Secretary/Treasurer*

No. of Employees in Alberta	***1-6***
Firm established in	***1975***
Firm started commercial software activities in	***1976***

Contact Person Gordon Blinston

Technical Environments

Operating Systems
- AIX
- AU/X
- HP-UX
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)
- Sun-OS
- QNX
- UCSD-p-System
- ULTRIX
- UNIX
- XENIX

Programming Language
- ALGOL
- APL
- Assembler
- C
- FORTH
- FORTRAN
- Modula-2
- PASCAL

Programming Environment
- dBase & Clones
- ABF/OSL
- Ingres
- SQL
- QUEL

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools

Word/ Text Processing
- Specialized editors (e.g. Brief/ personal editor/ etc.)

Connectivity
- Micro-mainframe session handlers
- Standard dbms
- Other/ connectivity

Office Automation
- Agenda/ calendar
- EIS executive information systems
- Records/ document management
- Scheduling
- Quality control

Education & Training
- Computer based training

Asset Management
- Data acquisition/ remote sensing/ etc.
- Environment related applications

Manufacturing Software
- Process control
- Quality control

Engineering & Science
- Biotechnology software
- Chemical engineering software
- Laboratory & instrumentation software
- Mathematical applications/ simulation software
- Statistical applications software

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Forestry
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Health care products industry
- Pharmaceutical industry

Service Industry
- Hospital & health clinics industry

Professional Services
- Administrators
- Engineering
- Medical offices
- Other health care professionnals

High Technology
- Biotechnology
- Laboratories

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- Universities & colleges

B K B Engineering Ltd.

Company Profile & Focus

B K B Engineering Ltd. was incorporated in 1975 to provide consulting services in biomedical engineering. These services were soon expanded to include the development of custom software for scientific, technical and medical applications. In recent years, the company has further expanded its activities to include the development of database applications using INGRES database software.

Services offered include custom software development, database design, application development, capacity planning, system integration, performance evaluation, and training.

More generally, B K B Engineering can provide advice and guidance with respect to the selection and installation of computing equipment and software. The company also offers consulting services in the fields of data communications and building wiring.

Specialization

Custom software development for scientific, technical, and medical applications.

Major Clients

Siemens Electric, Weyerhauser Canada, Systemhouse, and numerous smaller organizations.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ CUSTOM SOFTWARE				

BenchMark Technologies Ltd.

#620, 777 - 8 Avenue S.W.
Calgary, Alberta
T2P 3R5

☎ 269-7499

• 265-2379

Executive Officer(s)
Christina McGill *President*

No. of Employees in Alberta	***1-6***
Firm established in	***1986***
Firm started commercial software activities in	***1988***

Contact Person Christina McGill

Technical Environments

Hardware Platforms
- IBM
- Any IBM PCM

Operating Systems
- MVS-SP
- MVS-XA
- MVS-ESA

Programming Language
- Assembler
- C
- COBOL
- ISPF/PDF

Programming Environment
- CASE
- SAA
- TSO/ISPF
- MVS/TSO

Applications

DP & Computer Sys. Applic.
- Assemblers/ compilers/ code translators
- CASE methods and tools (computer aided software engineering)
- Systems utilities

Target Market

General Business
- General business/ public at large - all sectors

Company Profile & Focus

BenchMark specializes in software for the IBM/MVS mainframe environment, and is a leading innovator in software for computer professionals to use in their daily work. BenchMark's product, ISPW (TM), which was originally written in 1985 to solve basic change control and library management problems, now contains project control and common tools interfaces to help with the control and productivity problems that typically plague large data centres.

ISPW is especially suited to larger sites with a complex tool set and sophisticated control and productivity requirements.

BenchMark has grown steadily in its four years of operation. There are now distributors in the UK, Benelux, member nations (Belgium, Luxembourg and the Netherlands) Scandinavia, Italy, Switzerland, Germany, and Austria.

Specialization
IBM MVS/TSO application management software.

R&D Activities
Alberta Research Council carried joint venture Q1 91 - co-operative processing with a SUN/UNIX work station; various customer joint ventures (e.g. Q1 91 - DB2 work with Shell UK).

Major Clients
Shell Group (five sites worldwide), AMOCO, Bank of Montreal, Esso, plus two banks in Milan, Italy; others in trial mode.

International Sales
Distributors represent the UK, Benelux, member nations Scandinavia, Italy, Switzerland, Germany, Austria, others pending.

Notes & Comments
IBM AD/cycle vendor participant.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ ISPW	Productivity & control software for computer systems professionals	MVS/TSO/ISPF	1988	1

Bethel Software Inc.

259 Edgeland Road N.W.
Calgary, Alberta
T3A 2Z2

☎ 239-2214

Executive Officer(s)
Eric K. C. Lai *President*

No. of Employees in Alberta *1-6*
Firm established in *1987*
Firm started commercial software activities in *1987*

Contact Person Eric K. C. Lai

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- BASIC
- C
- PASCAL
- Paradox PAL

Programming Environment
- Paradox
- Netware/ Advanced-Netware

Applications

Office Automation
- Agenda/ calendar
- EIS executive information systems
- "Groupware"/ all variants
- Human resources management
- Inventory control
- MIS management information systems
- PIM personal information managers (IZE/ Grand View/ PackRat type)
- Project management
- Purchasing
- Records/ document management
- Scheduling

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Financial control/ planning

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry

Service Industry
- Advertising & public relations industry
- Banking & financial institutions
- Brokerage industry
- Distribution/ wholesale services industry
- Environmental services
- Food services industry (restaurants)
- Hospital & health clinics industry
- Insurance
- Leasing
- Leisure/ recreation & sports
- Real estate
- Public utilities (hydro/ cable/ etc.)
- Retail trade
- Tourism/ hotel industry

Professional Services
- Accountants
- Administrators
- Architects
- Business consulting
- Computer/ software specialists/ MIS department
- Engineering
- Legal services / lawyers
- News agencies/ journalists/ reporters
- Surveying & mapping
- Medical offices
- Other health care professionnals

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Company Profile & Focus

Calgary-based Bethel Software Inc., was established in 1987. It Provides industry with the following services: custom business systems development (using 4GL); PC software/hardware technical support; user training; and software product development.

The company's average annual growth in revenue has been about 30% and the client base continues to expand each year. Bethel Software Inc. has broad-based systems that have been developed for various industries: placement planning support; human resources expertise; oil & gas project control; oil & gas budget; oil & gas accounting; courier service accounting; mini-storage management; and building material cost estimate.

Bethel Software utilizes the latest hardware and software tools and methodologies in bringing the maximum benefits for computer technology to its clients.

Specialization
Paradox database application development for most industries.

Major Clients
Shell Canada Ltd., Northern Canadian Oils, D & W Personal Courier, Blackfoot Self-Storage, Canadian Occidental Petroleum.

Biomech Designs Ltd.

7955 - 98 Avenue
Edmonton, Alberta
T6A 0B5

☎ 469-3484

• 492-1617

Executive Officer(s)
Kelvin James *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1982*
Firm started commercial software activities in	*1989*

Contact Person Kelly James

Technical Environments

Hardware Platforms
- 286 AT - all makes
- 386 486 - all makes
- 6811 emolator

Operating Systems
- MS-DOS/PC-DOS
- 6800 series

Programming Language
- Assembler
- BASIC
- C
- PASCAL
- QBasic

Applications

Engineering & Science
- Biotechnology software
- Laboratory & instrumentation software
- Mathematical applications/ simulation software
- Statistical applications software

Target Market

Manufacturing & Processing Ind.
- Electronic equipment industry
- Health care products industry

Service Industry
- Hospital & health clinics industry

Professional Services
- Medical offices
- Medical rehabilitation

High Technology
- Biotechnology
- Computer software

Government & Education
- Universities & colleges

Company Profile & Focus

Biomech Designs Ltd. offers professional mechanical and electrical engineering consulting services, along with procurement and design for original equipment manufacturing applications. Specializing in medical rehabilitation engineering, Biomech has designed and now markets Quadstim, a muscle stimulator which assists paraplegics in walking.

Other products include the Active Suspension Above Knee Prosthesis (a computerized artificial leg for amputees), the QMT Edmonton Myometry System (a research device to qualitatively test dystrophic patients), and the NMR force sensor for use in Nuclear Magnetic Resonance machines.

Biomech also manufactures solar-powered ozone equipment for the purification of waste water.

Specialization
Patient (user) Interface software, specializing in medical instruments and computers

R&D Activities
Electrical stimulation for rehabilitation of the spinal cord injured population (QUAD STIM)

Major Clients
Research institute, biomechanic laboratories, physical therapy companies

Notes & Comments
Specialists in professional engineering services for rehabilitation or medical devices

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ QUADSTIM	Muscle stimulator	Portable	1988	35
■ QMT MYOMETRY SYSTEM	Muscle testing apparatus		1989	5
■ ACTIVE SUSPENSION	A/K Prosthesis		1987	1

Brysco Services

32 Kingfisher Road
Sherwood Park, Alberta
T8A 3M2

☎ 449-0702

Executive Officer(s)
Victor Humeniuk
Lori Humeniuk

No. of Employees in Alberta	*1-6*
Firm established in	*1987*
Firm started commercial software activities in	*1987*

Contact Person Victor Humeniuk

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- PC-DOS (same as MS-DOS)

Programming Language
- dBASE IV

Programming Environment
- dBase & Clones

Applications

Office Automation
- Estimating

Manufacturing Software
- Estimating

Engineering & Science
- Architecture software tools
- Chemical engineering software
- Civil engineering software
- Electrical engineering software
- Mechanical engineering software
- Mining engineering software

Target Market

Resource Industries
- Mining
- Oil & gas extraction industry
- Industrial plants

Manufacturing & Processing Ind.
- Chemical
- Construction & housing
- Energy equipment
- Fabricated metal industry
- Food products
- Industrial equipment & machinery
- Primary metal & mineral processing
- Petrochemical industry
- Pulp & paper industry

Professional Services
- Architects
- Engineering

Company Profile & Focus

Brysco Services has been providing cost consulting services to many corporations in Western Canada since 1987. Though active involvement in the cost engineering profession, we the company has developed a powerful estimating package for the micro PC workstation. This package is now complete and ready for market.

The estimating package has been used by Banister Inc. since December, 1989. Approximately $150 million dollars worth of estimates have been created through this package.

The company now intends to actively and aggressively market this package to all industrial construction firms throughout Canada and eventually into the international market ie (USA, Europe).

Competition in this field appears to mostly be from packages developed outside of Canada. The major advantage that Brysco Services foresees is that this package is designed for the local industry, but can be adapted for use abroad.

Although future prospects are very encouraging, the company has just begun to market the software. A marketing plan is now being developed.

Specialization
This package is designed to operate on an MS-DOS PC capable of operating a run-time version of dBASE IV by Ashton Tate.

R&D Activities
Created and developed this estimating package with the dBASE language.

Major Clients
Banister Inc. (Industrial Division), Mantech Consulting.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ BRYSCO ESTIMATING PROCESS	Estimating software	MS-DOS	1989	2

C D Pubco Inc.

#2050, 777 - 8 Avenue S.W.
Calgary, Alberta
T2P 3R5

☎ 294-0080

294-0082

Branch Office

☐ Edmonton, AB

Executive Officer(s)

Joseph Breslawski *President*
Mark Townsend *Vice President*
Michel Morin *Secretary/Treasurer*

No. of Employees in Alberta	*7-15*
Firm established in	*1987*
Firm started commercial software activities in	*1988*

Contact Person Michel Morin

Technical Environments

Hardware Platforms
- Sun
- 386 486 - all makes
- Special SEGA / Nintendo

Operating Systems
- MS-DOS/PC-DOS
- UNIX

Programming Language
- Assembler
- C
- PASCAL

Graphical User Interface
- Windows

Programming Environment
- SYbase
- SQL
- Netware/ Advanced Netware

Add Ins
- to dBase
- to CAD

Applications

DP & Computer Sys. Applic.
- Data handling tools
- Search and retrieval software/ engines for DBMS's

Graphics
- Computer graphical user interfaces

Word/ Text Processing
- DTP (desk top publishing)
- Word processing

Applications (cont')

Connectivity
- Data Base Management Systems
- Full text databases
- LAN (local area network)

Spreadsheets

Office Automation
- MIS management information systems

Asset Management
- Energy management applications
- GIS (geographic information systems)

Engineering & Science
- Surveying & mapping software

Target Market

Resource Industries
- Forestry
- Mining
- Oil & gas extraction industry

Service Industry
- Environmental services

Professional Services
- Engineering
- Surveying & mapping

High Technology
- Computer software

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- Universities & colleges

Cultural Industries
- Cultural product distributors
- Publishing industry (books & magazines)

Company Profile & Focus

CD Pubco Inc. developed the first geological information system on CD-ROM. This allows users to access data that previously required a mainframe. The company is the only one to have Western Canada survey grid information combined on a database.

Specialization

Retrieval and indexing of very large relational databases.

R&D Activities

Retrieval and indexing of very large relational databases.

Major Clients

A E C , BP Resources, Esso Resources, Koch Exploration Canada, Mobil Oil, Novatta Resources Ltd., Petro Canada Resources, Brusset Consultants, Coment Logan, Wesican Oilmaps, Bank of Montreal.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
● GEOBASE	CD-ROM Geological infosystem		1989	50

C M S Corporate Management Systems Ltd.

#1440, 840 - 7 Avenue S.W.
Calgary, Alberta
T2P 3G2

☎ 266-4633

• 265-8522

Branch Office

Edmonton, AB

Executive Officer(s)

L. A. N. Lazaruk *President*
R. Clive Pringle *Vice President*
Jack Bowden *Secretary/Treasurer*

No. of Employees in Alberta	***16-24***
Firm established in	***1975***
Firm started commercial software activities in	***1975***

Contact Person R. Clive Pringle

Technical Environments

Hardware Platforms
- IBM

Operating Systems
- OS-VS1
- VM/CMS

Programming Language
- Data Man II

Applications

DP & Computer Sys. Applic.
- Assemblers/ compilers/ code translators

Accounting and Finance
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry

Company Profile & Focus

CMS Corporate Management Systems Ltd. has been in business since 1975 and currently processes for over ninety local oil & gas producing companies. CMS provides data centre services plus IBM software development. CMS has an on-site IBM 4341 16 megabyte mainframe computer. Many clients access the system via on-line capabilities. All systems are custom tailored to the clients' requirements using a specially designed commercial programming system called DATA-MAN II. CMS provides laser printing services on a Xerox 4090 printer. In addition to oil and gas accounting, CMS provides services in production accounting, payroll services and mailing list management.

C R B Data Systems Ltd.

#216, 9650 - 20 Avenue
Edmonton, Alberta
T6N 1G1

☎ 450-9200

Executive Officer(s)
T. Bykowich *President*
N. Rimstad *Vice President*

No. of Employees in Alberta 7-15
Firm established in 1976
Firm started commercial software activities in 1976

Contact Person Norm Rimstad

Technical Environments

Hardware Platforms
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- AIX
- MS-DOS/PC-DOS
- UNIX
- XENIX

Programming Language
- C
- COBOL

Graphical User Interface
- OSF/Motif
- X-Window

Programming Environment
- Informix
- Informix

Applications

Accounting and Finance
- Integrated accounting

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Target Market

Service Industry
- Retail trade

Company Profile & Focus

Founded in 1976, C R B Data Systems Ltd.'s prime activity is in the area of POS software and marketing of their own product called Infosystems. C R B is capable of supplying the complete lines of hardware/software as required by convenience stores or drugstores. Infosystems is based in Unix and is a true multi-user system. Infosystems' complete solution includes the POS requirements of the store front-end, as well as A/R, A/P.

C S I Custom Solutions Inc.

10816 - 124 Street
Edmonton, Alberta
T5M 0H3

☎ 454-5833

Executive Officer(s)
Yves Starreveld *President*
Ken Usher *Vice President*

No. of Employees in Alberta *1-6*
Firm established in *1987*
Firm started commercial software activities in *1987*

Contact Person Ken Usher

Technical Environments

Hardware Platforms
- Macintosh

Operating Systems
- AU/X
- Apple Mac (finder/MultiFinder)
- UNIX

Programming Language
- Assembler
- C
- PASCAL

Graphical User Interface
- Mac

Programming Environment
- 4th Dimension, Omnis3+
- TOPS
- Appleshare

Add Ins
- to dBase

Applications

DP & Computer Sys. Applic.
- Data capture/ validation

Word/ Text Processing
- Specialized editors (e.g. Brief/ personal editor/ etc.)

Connectivity
- DBMS (data base management systems)

Applications (cont')

Office Automation
- Agenda/ calendar
- Inventory control
- Purchasing
- Records/ document management
- Scheduling

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Target Market

Manufacturing & Processing Ind.
- Industrial equipment & machinery

Professional Services
- Medical offices

Government & Education
- Provincial & state governments
- Hospitals, museums

Company Profile & Focus

Custom Solutions Ltd. has built its reputation on designing custom database software for Macintosh computers. Rather than trying to make customers' needs fit a pre-existing design, the company designs the software around the client's requirements, often from the ground up. Customers who are uncertain of what their database requirements are appreciate the expertise in consulting in order to define their problem, as well as the company's flexibility in adapting programs to evolving needs.

Custom Solutions Ltd. started out by writing medical billing software, and has since developed software specific to a number of areas ranging from museums to heavy equipment repair. However, medical software still constitutes a major focus, including clinical study databases, with which the company has considerable experience and expertise.

Custom Solutions develops both single and multi-user systems using Omnis3+ and 4th Dimension for the Macintosh. They also create Pascal and C programs when appropriate, either as stand-alone applications or integrated into a database.

Specialization
Vertical market database development, particularly in medicine and medical research.

R&D Activities
Advanced user interfaces, CT scan image processing, molecular biology software, neurocomputing applications.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ INTEGRATED MEDICAL BILLING /ACCOUNTING/FILING SOFTWARE		Mac	1986	3
■ INVENTORY/JOB	Processing software for hydraulics /heavy equipment repair	Mac	1987	1
■ CLINICAL STUDY DATABASE		Mac	1989	3
■ Other custom applications		Mac		7

CIFE, Canadian Institute of Formation Evaluation Ltd.

#1100, 615 Macleod Trail S.E.
Calgary, Alberta
T2G 4T8

☎ 294-1360

294-1371

Head Office

Gateford Resources Inc.

Executive Officer(s)

Steven Misner *President*
Barbara McAllister *Executive V.P.*

No. of Employees in Alberta	***25-49***
Firm established in	***1976***
Firm started commercial software activities in	***1988***

Contact Person Steven Misner

Technical Environments

Hardware Platforms

- HP
- PC and XT(808x types)

Operating Systems

- HP-UX
- UNIX

Programming Language

- C
- FORTRAN
- SPL

Applications

Engineering & Science

- Drill stem test applica

Target Market

Resource Industries

- Oil & gas extraction industry
- Water resource management

Company Profile & Focus

CIFE, Canadian Institute of Formation Evaluation Ltd. is a Canadian-based company specializing in database construction of analyzed drill stem and production test pressure data. Incorporated in 1976, CIFE has developed extensively to its current position as a world leader in DST analyzed data.

The company's experienced personnel have evaluated each DST as taken from the original service report, using consistent classification and codification methodologies to ensure not only quality but accuracy of interpretation. Where applicable, each DST is digitized to allow for shut-in analysis. Horner extrapolations and slopes are calculated and used in the classification of the individual DST to provide the client with the most useable DST information for both regional and basin analysis.

Specialization

Database construction - pressure related.

Major Clients

AMOCO, Mobil, Canadian Hunter.

International Sales

Office in Denver, Colorado; moving towards overseas database construction.

CU Services a Division of Canadian Utilities Ltd.

10035 - 105 Street
Edmonton, Alberta
T5J 2V6

☎ 420-7875

📠 037-2966

• 441-4100

Head Office

Canadian Utilities Limited

Executive Officer(s)

J. D. Wood President - C E O
C. E. Barnicoat V P-Information System
S. W. Kiefer Mgr-Business Development

No. of Employees in Alberta	***100 Plus***
Firm established in	***1927***
Firm started commercial software activities in	***1965***

Contact Person Ted Barnicoat

Technical Environments

Hardware Platforms
- Amdahl
- IBM
- DEC
- Apollo
- HP
- 386 486 - all makes
- Macintosh

Operating Systems
- HP-UX
- MVS-XA
- Sun-OS
- UNIX
- VAX-VMS
- MVS-ESA

Programming Language
- APL
- Assembler
- C
- COBOL
- FORTRAN
- PL/1
- RPG

Graphical User Interface
- DEC Windows
- Mac
- Presentation Manager - PM
- X-Window
- Windows

Programming Environment
- CASE
- Oracle
- SAA
- Natural
- DB2, ADABAS
- AI & expert system shell
- DB2
- CICS
- IMS/ IMS-DB/ IMS-DC
- SQL
- OS/2 LAN Manager, Novel

Add Ins
- to 1-2-3
- to CAD
- to accounting software

Applications

Office Automation
- EIS executive information systems
- MIS management information systems

Accounting and Finance
- Billing & invoicing
- FIS (financial information systems)

Asset Management
- Data acquisition/ remote sensing/ etc.
- Energy management applications
- GIS (geographic information systems)

Manufacturing Software
- Process control

Target Market

Service Industry
- Public utilities (hydro/ cable/ etc.)
- Health care insurance

Professional Services
- Business consulting
- Computer/ software specialists/ MIS department
- Engineering

Government & Education
- Municipal governments
- Provincial & state governments

CU Services, a Division of Canadian Utilities Ltd.

Company Profile & Focus

CU Services is a Division of Canadian Utilities Limited, one of Canada's largest investor-owned utility companies. CU Services has provided full technological support to the CU Group of companies for the last twenty-five years and its professional staff has extensive experience in supporting the needs of a large corporation in all areas of systems integration. The Division operates a large data centre and has developed and implemented complete systems packages, including financial accounting, customer billing, and customer information systems. In addition, CU Services has developed and is operating a comprehensive on-line health care eligibility system for the Alberta Government.

Specialization

Large scale, enterprise-wide systems development and integration services for utilities companies, health care systems and municipal governments.

R&D Activities

Automated operations; quality management for information systems service; CASE for application software development, enhancement and maintenance.

Major Clients

Northwestern Utilities Ltd., Canadian Western Natural Gas Ltd., Alberta Power Ltd., Frontec Logistics Corp., Alberta Health, Strathcona County.

International Sales

Joint Venture systems development, trade show participation in the United States.

Notes & Comments

CU Services provides systems integration services, with utility industry focus, applying existing software and experience.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ Customer Information System		MVS/ESA	1978	3
■ Financial Information System		MVS/ESA	1989	3
■ Work Management System		MVS/ESA	1982	2
■ Materials Management System		MVS/ESA	1987	3
■ Gas Management System		MVS/ESA	1988	2
■ Human Resources Information System		MVS/ESA	1985	3
■ Custom Software Solutions				

Cadmatic Canada Inc.

#206, 5940 Macleod Trail S.
Calgary, Alberta
T2H 2G4

☎ 259-5212

• 259-5712

Branch Office
☐ Vancouver, BC

☎ 983-3500

Executive Officer(s)
John Kubinski
Derek Jackson

No. of Employees in Alberta *1-6*
Firm established in *1988*
Firm started commercial software activities in *1983*

Contact Person John Kubinski

Technical Environments

Hardware Platforms
- HP
- IBM
- Prime
- Sun
- 386 486 - all makes

Operating Systems
- AIX
- HP-UX
- Sun-OS
- XENIX

Programming Language
- C

Graphical User Interface
- NEWS
- Open Look
- OSF/Motif
- X-Window

Add Ins
- to CAD

Applications

Engineering & Science
- CAE (computer aided engineering)
- Chemical engineering software
- Civil engineering software

Target Market

Resource Industries
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Automotive
- Chemical
- Energy equipment
- Food products
- Industrial equipment & machinery
- Primary metal & mineral processing
- Petrochemical industry
- Pharmaceutical industry
- Pulp & paper industry
- Textile/ knitting industry

Service Industry
- Environmental services
- Air
- Marine

Professional Services
- Engineering

High Technology
- Defence & aerospace

Government & Education
- Universities & colleges

Company Profile & Focus

Cadmatic Canada Inc. is an Alberta-based company that markets software for a fully integrated, specification driven three dimensional Plant Modeler System for engineering applications.

The company was incorporated in 1988 after acquiring the Canadian rights to market, service and support the proven software from the European developer.

The software provides the latest three-dimensional computer modelling technology for plant engineering and construction projects. It features special tools for 3D layout and piping design for projects from conceptual design through to fabrication documentation. A wide range of drawing and documentation is available from the 3D project database including fully annotated piping isometrics and spools, general arrangement drawings, automatic section cutting and various material lists.

Specialization
Supplying, servicing and customizing a 3-Dimensional Piping/Plant Design software for engineering companies.

R&D Activities
Upgrading and customizing the software to customers' specifications.

Major Clients
Consolidated Paper, N L K Engineering, Hipp Engineering, S & B Engineers and Constructors, Elomatic, Frank Mohn A/S.

International Sales
Markets directly through regional offices in Canada, U S A, South America and Europe. Initial contact is generally made through advertising and telephone contact. Participate in trade shows targeted by regional offices.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ PLANT MODELER SYSTEM		XENIX-384/486 PC,	1981,	
	Fully integrated 3D software	HP9000, SUN 3/60,	1984,	
	for piping/plant design	PRIME, MICROVAX II	1987	1

Candella Group

#560, 10250 - 101 Street
Edmonton, Alberta
T5J 3P4

☎ 423-2619

424-9464

Head Office
Candella Systems Ltd.

Executive Officer(s)
Garth Grainger *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1984*
Firm started commercial software activities in	*1984*

Contact Person Garth Grainger

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- dBase III+

Programming Environment
- Clipper
- Netware/ Advanced Netware

Add Ins
- to dBase

Applications

Office Automation
- Correspondence/ administrative document tracking
- Inventory control
- Project management
- Purchasing
- Records/ document management

Accounting and Finance
- Integrated accounting
- Income tax
- Assets management

Asset Management
- Environment related applications
- Maintenance/ building/ machinery/ vehicles/ etc.
- Incorp of bar code equi

Target Market

General Business
- General business/ public at large - all sectors

Manufacturing & Processing Ind.
- Construction & housing

Service Industry
- Hospital & health clinics industry

Professional Services
- Accountants
- Legal services / lawyers

Government & Education
- Federal government
- Provincial & state governments
- School boards

Candella Group

Company Profile & Focus

Candella Group, provides a comprehensive range of consulting services to a number of client groups throughout Canada. Extensive consulting services have been provided to companies in the following industries of the private sector: construction and housing, food products, property management and legal services.

Through its team of consultants, analysts and programming personnel, Candella Group offers experience in all aspects of systems consulting, design and development, including: system feasibility studies, system requirements, analysis and design, assessment of hardware capacity requirements and recommendations, implementation of application software packages, program development and user training.

Candella Group's actual software products also evolved from consulting contracts. Currently, the product line is comprised of seven different systems. The Inventory Materials Management and Control System, is designed to maintain accurate and current records of inventory. Since its creation in 1985, the system has been installed by 27 organizations across Canada. A second package which complements the Inventory Materials Management & Control System tracks non-stock or non-inventory items. Candella Group's Capital Asset Tracking System, developed in conjunction with a hospital, tracks fixed assets. This system incorporates bar coding technology and is general enough that it can be utilized by any organization required to take inventory of equipment. The Workplace Hazardous Materials Information System is also currently being used in a hospital environment, although it can be also used by any organization housing hazardous materials which must be tracked. Another system which is currently being completed is the Integrated Financial Package for hospitals. Another smaller system for which the company provides annual updates is the T4-Writer program.

Specialization

Software development for micro computer systems in DOS and Local Area Network environments.

R&D Activities

Incorporation of bar coding technology into software programs/business applications.

Major Clients

Public Works Supply & Services-project tracking system, Public Affairs, Alberta Health, W. J. Cadzow Hospital-Lac La Biche, Stony Plain Hospital.

Notes & Comments

Candella Group provides extensive and advanced support services.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ INVENTORY MATERIALS MANAGEMENT	Maintain inventory	MS/PC DOS	1985	27
■ NONINVENTORY MATERIALS MANAGEMENT	Maintain non-inventory stock items	MS/PC DOS	1989	6
■ CAPITAL ASSET TRACKING SYSTEM	Tracking assets	MS/PC DOS	1990	14
■ PAYROLL PACKAGE	Payroll, general ledger, accounts payable package	DOS	1990	3
■ WORKPLACE HAZARDOUS MATERIALS MANAGEMENT	Tracking & keeping records on hazardous materials	MS/PC DOS	1988	9
■ T4-WRITE	Calculates T4, T4A, T5s and accompanying summaries	MS/PC DOS	1985	65

Canesia International Inc.

#102, 301 - 3 Avenue S.W.
Calgary, Alberta
T2P 2X9

☎ 275-9371

• 274-7060

Executive Officer(s)
Fauzi Harefah

No. of Employees in Alberta *1-6*
Firm established in *1986*
Firm started commercial software activities in *1989*

Contact Person Fauzi Harefah

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- C
- COBOL
- DBMS/4th GL

Programming Environment
- Clarion
- PC, Mini-Data General

Applications

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing

Target Market

Service Industry
- Real estate
- Legal

Professional Services
- Accountants
- Business consulting
- Legal services / lawyers

Company Profile & Focus

Canesia International Inc. started programming and consulting services for the oil and gas industry. Software packages developed by Canesia are directed towards the areas of trucking/transportation, gas processing/fractionation, crude/oil pricing, production accounting, crude oil movement.

In 1989, the company started developing and marketing software by themselves. One of two main products on the market now is LEGALplus, which is a complete legal office accounting targeted for small law firms, which is 80% of the market. LEGALplus is very simple and easy to use, has menu driven window system, on-line help throughout, and has a constant update. The second major product is T & T, a time billing and trust accounting software package. It is similar to LEGALplus, but is mainly for other companies and individuals who invoice their clients by time, such as consultants, accountants.

Specialization
Time and billing, trust accounting integrated with complete accounting.

International Sales
Intend to penetrate market across North America by signing agreement with a marketing company; markets directly to end-users.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ LEGALplus	Complete law office accounting	DOS	early 1990	15
■ T & T	Time and billing	DOS	1990	

Canex Exploration Services Ltd.

#1000, 555 - 4 Avenue S.W.
Calgary, Alberta
T2P 3E7

☎ 263-9414

• 262-6538

Head Office

Optimus Investments Ltd.
#300, 615 - 3rd Avenue S.W.
Calgary, Alberta
T2P-0G6

☎ 266-9350

• 266-9292

Executive Officer(s)

Larry C. Fichtner *President*
Charles D. Smith *Vice President*
Terry J. Barnhart *Vice President*

No. of Employees in Alberta	***25-49***
Firm established in	***1981***
Firm started commercial software activities in	***1984***

Contact Person Chuck Smith

Technical Environments

Hardware Platforms
- DEC
- Sun
- PC and XT(808x types)
- 286 AT - all makes

Operating Systems
- MS-DOS/PC-DOS
- Sun-OS
- VAX-VMS

Programming Language
- BASIC
- C
- FORTRAN

Graphical User Interface
- SunView

Programming Environment
- SQL

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Search and retrieval software/ engines for DBMS's
- Systems utilities

Graphics
- Computer graphical user interfaces

Office Automation
- Scheduling

Accounting and Finance
- Billing & invoicing

Engineering & Science
- Surveying & mapping software

Target Market

Resource Industries
- Oil & gas extraction industry

Professional Services
- Surveying & mapping

High Technology
- Computer software

Government & Education
- Universities & colleges

Company Profile & Focus

Canex Exploration Services Ltd. is an Alberta-based company that provides digital products and services to the exploration sector of the oil and gas industry.

The company was formed in 1981 to perform an independent service on behalf of an oil company in order to verify that seismic survey notes were accurate prior to drilling activities.

In order to provide this service, a software package was developed and extensive research and development was performed to build a reliable database of surface positional co-ordinates for accurate survey control in Canada.

In 1989, Canex introduced digitizing services and a comprehensive mapping system using a graphics workstation. The company will continue developing products that assist the explorationist in all aspects of locating subsurface formations.

Specialization

Converting field survey information into digital geographic co-ordinates for use in geophysical applications.

R&D Activities

Software development to enable customers to represent all facets of government information on a map, including pipelines, wells and transportation.

Major Clients

Esso Canada Resources Ltd., Encor Energy Inc., Norden Energy Resources Ltd.

International Sales

Canex primarily services the Canadian market.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ PIPELINES	Alberta pipeline mapping system	Sun OS/Sparcstation	1990	3
■ I S P SURVEY PROCESSING		VAX/VMS	1990	2

Cansel Survey Equipment Ltd.

4722 - 1 Street S.W.
Calgary, Alberta
T2G 0A2

☎ 243-1836

• 243-3145

Head Office

Cansel Survey Equipment Ltd.
3751 Napier Street
Burnaby BC
V5C-3E4

☎ 299-5794

• 299-1998

Branch Offices

☐ Ottawa, ON

☐ Toronto, ON

Executive Officer(s)

Stan Jackson *President*
Bo Skapski *Vice President*

No. of Employees in Alberta	*16-24*
Firm established in	*1977*
Firm started commercial software activities in	*1982*

Contact Person W. V. Walton

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- PC-DOS (same as MS-DOS)
- UNIX

Programming Language
- Assembler
- BASIC
- C

Graphical User Interface
- Proprietary

Programming Environment
- Proprietary

Applications

Graphics
- Computer graphical user interfaces
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)

Asset Management
- GIS (geographic information systems)

Applications (cont')

Engineering & Science
- Agricultural engineering software
- CAE (computer aided engineering)
- Civil engineering software
- Forestry engineering software
- Mining engineering software
- Surveying & mapping software

Target Market

Resource Industries
- Agriculture
- Forestry
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Construction & housing

Service Industry
- Public utilities (hydro/ cable/ etc.)
- Rail

Professional Services
- Engineering
- Surveying & Mapping

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- Universities & colleges
- Other educational institutions

Company Profile & Focus

Cansel Survey Equipment Ltd. is a wholly-owned Canadian company specializing in surveying, engineering, and mapping applications. Originating in 1965, Cansel branched to Alberta in 1977 with the opening of a Calgary location. An office in Edmonton soon followed, with the opening ceremonies in 1978. Cansel specializes in the supply and support of automated surveying equipment and related PC software for post-processing and design. Cansel is the Alberta distributor for Trimble GPS (Global Positioning System) receiver systems including the new PathFinder one-person data capture system. Trimble is the world leader in GPS equipment, and offers the most sophisticated GPS to GIS (Geographical Information System) software available. Cansel has developed integrated data capture systems for all types of surveying, in particular our exclusive PDC (Progressional Data Collection) programs for the Nikon DR-2 electronic field book. PDC, which is distributed throughout Canada, was developed and written in Alberta, with help from more than 60 Alberta-based engineering and surveying firms.

Major Clients

Major Alberta clients include Alberta Transportation Utilities, UMA Engineers, Stanley/IMC, Eastern Irrigation District, and many others.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ NIKON	Automated data collection systems	Proprietary	1984	+/-10000
■ EMXS SURFACE COMPILER	Integrated design and earthworks	DOS	1984	+/-400
■ C & G SURVEY SYSTEM 1.1c	Survey plus CADD plan production	DOS	1980	+/-1300
■ TRIMBLE GPS	Global Positioning Systems	Proprietary/DOS	1984	+/-2400

Note: Installed systems are estimated world wide

Canuck G I E Engineering Ltd.

#200, 708 - 11 Avenue S.W.
Calgary, Alberta
T2R 0E4

☎ 267-6000

• 267-6099

Head Office

Agra Industries Ltd.
1200 CN Towers
Saskatoon SK
S7K 1J5

☎ 653-5163

• 653-1219

Executive Officer(s)

William Bruce *Chairman - C E O*
C. D. Annable *President, C O O*
William N. Wray *Vice President*

No. of Employees in Alberta	***25-49***
Firm established in	***1979***
Firm started commercial software activities in	***1981***

Contact Person Tim M. Zboya

Technical Environments

Hardware Platforms
- Data General
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- AOS-VS
- MS-DOS/PC-DOS
- UNIX
- XENIX

Programming Language
- Assembler
- BASIC
- C
- FORTRAN
- LISP
- PASCAL

Graphical User Interface
- X-Window

Programming Environment
- Clipper
- dBase & Clones
- Oracle

Add Ins
- to 1-2-3
- to word processing software
- to CAD
- to operating systems

Applications

DP & Computer Sys. Applic.
- Data handling tools

Graphics
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)

Office Automation
- Project management
- Purchasing

Engineering & Science
- Chemical engineering software
- Engineering computational tools
- Mathematical applications/ simulation software

Target Market

Resource Industries
- Energy sector

Professional Services
- Engineering

Company Profile & Focus

Canuck GIE Engineering Ltd., consulting engineers to the pipeline and petroleum industries worldwide, provides a complete range of services from feasibility studies through to total project engineering, procurement and construction management. Canuck has the technical capability, experience and resources to provide general consulting services for the transportation of crude oil, gas, gas liquids, LNG, petroleum products, commercial liquids, gases and slurries. Its staff have had senior design responsibility on all phases of oil, gas and product pipeline projects in Canada and abroad, including evaluation and selection of new and unique equipment and materials for unusual pipeline service, tankage and storage, interface detection and metering for custody transfer of unusual and high vapour phase products.

Specialization

Supplying engineering design and materials management software packages to energy industry primarily focused to facilities, pipeline design and construction.

R&D Activities

Development of engineering design systems.

Major Clients

Trans Mountain Pipe Line Co. Ltd., Home Oil Co. Ltd., Gulf Canada, Wisha Oil Co.

International Sales

Interest and use of products has been primarily in the Middle East and Europe.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• Steady state liquid pipeline design software		MS-DOS		
• Steady state gas pipeline design software		"		
• Steady state two phase pipeline design software		"		
• A variety of gas processing design tools		"		
• Materials Management and Procurement software		"		
• AutoCAD Menu Extension software		"		

Certified Software

54015 - Range Road 212
Ardrossan, Alberta
T0B 0E0

☎ 998-0607

Executive Officer(s)
Jon E. Pearkins, CSP *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1987*
Firm started commercial software activities in	*1987*

Contact Person Jon Pearkins

Technical Environments

Hardware Platforms
- Amdahl
- IBM
- Hitachi

Operating Systems
- MVS
- MVS-SP
- MVS-TSO
- MVS-XA
- OS-MVS
- OS-VS1
- OS-VS2
- VM, VSE

Programming Language
- Assembler

Programming Environment
- CASE
- SAA

Add Ins
- to operating systems

Applications

DP & Computer Sys. Applic.
- CASE methods and tools (computer aided software engineering)
- Systems utilities

Target Market

General Business
- General business/ public at large - all sectors

Company Profile & Focus

Certified Software develops operational productivity systems software for MVS-based IBM-compatible mainframes. During 1988, 1989 and 1990, a disk space allocation management system was designed and written for Sterling Software (one of the top 10 mainframe software companies), totally in IBM Assembler. With the completion of this project, a new product is being developed for Certified.

Specialization

Main focus is operations-related systems software. Software is only written for IBM mainframes (MVS operating systems first and foremost).

R&D Activities

System-level Assembler programming for MVS.

Notes & Comments

Jon Pearkins writes a monthly column and is on the Editorial Advisory Board for Enterprise Systems Journal (circ. 100,000, IBM mainframe only).

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
● ACT/1	Tools for Application Development	VSE, VM, MVS; IBM mainframe	1980	95

Christie Communications

#1002 Park Plaza,
10611 - 98 Avenue
Edmonton, Alberta
T5K 2P7

☎ 424-4433

424-4888

Executive Officer(s)
R. N. Christie
C. Christie

No. of Employees in Alberta	*7-15*
Firm established in	*1978*
Firm started commercial software activities in	*1978*

Contact Person C. Christie

Technical Environments

Hardware Platforms
- PC and XT (808x types)
- 286 AT - *all makes*
- 386 486 - *all makes*

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- C
- OOPS - C++ & *all other*
- PASCAL

Graphical User Interface
- GEM
- Windows

Programming Environment
- dBase & Clones
- AI & expert system shell
- Vines/ Banyan

Applications

Education & Training
- Computer based training
- Courseware

Target Market

General Business
- General business/ *public at large - all sectors*

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Construction & housing
- Fabricated metal industry
- Industrial equipment & machinery
- Petrochemical industry
- Pulp & paper industry

Service Industry
- Food services industry (restaurants)
- Leisure/ recreation & sports
- Tourism/ hotel industry

Professional Services
- Administrators
- Business consulting
- Legal services / lawyers

Government & Education
- Federal government
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions
- Industrial training

Company Profile & Focus

Christie Communications specializes in the development of custom programs in the areas of training, expert systems, and job aids. The company has developed computer-based courseware, interactive video programming and expert systems for a wide variety of clients.

Services to clients include systems analysis, instructional design, hardware selection, programming, documentation and instructional evaluation. In addition, the company can develop and produce accompanying print and video materials for both participants and trainers. In the area of expert systems and job aids, we provide knowledge engineering, system development, documentation and evaluation.

Clients include provincial government departments, industry associations and private companies. Full spectrum services are provided in areas as diverse as public school education, occupational health and safety, construction and petrochemical processing. The company has a reputation for providing quality services and products, combined with a concern for clients and attention to detail.

Specialization
Courseware, interactive video, expert systems.

R&D Activities
Expert systems.

Products

Name	Description	Operating System	Year Int.	No.

● Custom developed products only

Chronologic Systems Inc.

#1100, 940 - 6 Avenue S.W.
Calgary, Alberta
T2P 3T1

☎ 232-6366

• 266-6353

Executive Officer(s)
Philip J. Doublet *President*
John Wester *Partner*
Robert J. Morton *Partner*

No. of Employees in Alberta	*1-6*
Firm established in	*1988*
Firm started commercial software activities in	*1988*

Contact Person Philip J. Doublet

Technical Environments

Hardware Platforms
- DEC
- Macintosh

Operating Systems
- Apple Mac (finder/MultiFinder)
- MS-DOS/PC-DOS
- UNIX
- VAX-VMS

Programming Language
- FORTRAN
- PASCAL

Graphical User Interface
- Mac

Programming Environment
- 4th Dimension, Helix

Applications

DP & Computer Sys. Applic.
- Data handling tools

Word/ Text Processing
- Document management

Connectivity
- Other/ connectivity

Office Automation
- Correspondence/ administrative document tracking
- Project management

Target Market

Resource Industries
- Oil & gas extraction industry

Service Industry
- Advertising & public relations industry

Professional Services
- Architects
- Computer/ software specialists/ MIS department
- Engineering
- Legal services / lawyers
- News agencies/ journalists/ reporters

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges

Cultural Industries
- Newspapers publishers
- Publishing industry (books & magazines)

Company Profile & Focus

Chronologic Systems Inc. specializes in systems integration products and services within the Digital VAX and Apple Macintosh technologies. As recognized experts in the area of connectivity, the company supplies clients with creative and appropriate solutions to their problems. Clients throughout Canada and the USA have been helped with a variety of network, system management or custom programming projects.

Chronologic is also the Western Canadian distributor of the Odesta Document Management Systems (ODMS) software. This state-of-the-art software allows medium to large companies to manage the workflow and elements involved in preparing and producing documentation. Examples of this include in-house policies and procedures, newsletters, etc. This product is particularly appropriate for the publishing and newspaper vertical markets. Chronologic sells, implements and supports this software throughout Western Canada.

Specialization
System integration products and services; Odesta Products (ODMS) for document and workflow managements.

R&D Activities
VAX and Macintosh connectivity, human interface design and workflow design.

Major Clients
Canadian Fracmaster Ltd., Coda Inc., Peat Marwick Thorne, Digital Equipment, Esso, Gulf Canada Resources, Alberta & Southern Gas, Calgary Exhibition & Stampede.

International Sales
USA - serve the publishing vertical market in the western portion of North America; handle connectivity opportunities throughout the U.S.A. and Canada.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ ODMS	Odesta document management system	DEC/VAX, Apple Macintosh		

- System Analysis and design
- Custom programming & design for sales systems, project billing, management
- Communications networks

Cipher Systems Ltd.

#110, 6131 - 6 Street S.E.
Calgary, Alberta
T2H 1L9

☎ 252-7569

258-2561

Executive Officer(s)
Brian McNeill *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1980*
Firm started commercial software activities in	*1980*

Contact Person Jennifer McNeill

Technical Environments

Hardware Platforms
- NCR
- DEC

Operating Systems
- UNIX
- ITX/IRX

Programming Language
- COBOL/85

Programming Environment
- COBOL/85

Add Ins
- to 1-2-3
- to operating systems

Applications

DP & Computer Sys. Applic.
- Systems utilities

Connectivity
- MicroLink

Office Automation
- Inventory control
- MIS management information systems
- Purchasing
- Ad-hoc report writer

Applications (cont')

Education & Training
- Computer based training
- Software consulting

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Income tax
- FIS (financial information systems)
- Assets management
- Financial control/ planning
- Auditing applications

Target Market

General Business
- General business/ public at large - all sectors

Service Industry
- Banking & financial institutions
- Leasing
- Retail trade
- Wholesale distributors

Company Profile & Focus

Cipher Systems Ltd. was formed through the amalgamation of two independent computer specializing firms, Comacc Consulting Ltd. and Datacan Computer Services Ltd. The primary goal of Cipher Systems Ltd. is to provide quality software solutions and support to various sizes of companies, mainly on NCR equipment, of which they are a dealer.

The software solutions provided by Cipher Systems are not limited to vertical applications. The company also provides the user with abilities to custom design software as needed.

Cipher Systems has also ported many of their applications to Digital Equipment Systems (DEC) hardware in order to provide our software solutions to the end user, regardless of the type of hardware required. This enables the company to base their computer solutions primarily on the fact that their software will meet their needs, with the hardware being a secondary decision.

Cipher Systems supports a broad customer base of over 650 users, varying from construction to banking, all geographically spaced throughout the world with sites in Canada, the United States, Africa, Europe and the West Indies.

Major Clients
Interstate Record Distributors, Burger King.

International Sales
Software Clearing House, USA; Complete Computer Systems, Trinidad; NCR, Morocco.

Notes & Comments
Specialities on NCR equipment.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ COMPANION	Report writer	UNIX/ITX/IRX/DOS	1986	300
■ DISK/KIT	Utility	UNIX/ITX/IRX	1986	350
■ V I P SOFTWARE	Versatile interactive processing	UNIX/ITX/IRX	1980	85

Co-Design Information Systems Ltd.

#335, 839 - 5 Avenue S.W.
Calgary, Alberta
T2P 3C8

☎ 266-3239

266-4150

Executive Officer(s)
Garry L. Coulson *President*
Anthony J. Field *Development Manager*

No. of Employees in Alberta	*1-6*
Firm established in	*1986*
Firm started commercial software activities in	*1986*

Contact Person Garry L. Coulson

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)
- UNIX

Programming Language
- C

Programming Environment
- Oracle
- C

Applications

Connectivity
- DBMS (data base management systems)
- Standard dbms

Target Market

Resource Industries
- Oil & gas extraction industry

Company Profile & Focus

Co-Design Information Systems Ltd. was formed in 1986 to provide wellsite data gathering and field-to-office communication systems for exploration, drilling and service companies in Alberta. The first product marketed was a communication program and modem that would allow convenient transfer of data between well sites and Calgary offices by use of mobile radio systems. In order to address the unique needs of each company, Co-Design then developed a set of computer programs that would permit the collection of various forms of drilling data that could be readily tailored for each of the various clients.

In 1987, Co-Design developed a system to accurately record and report drilling costs. Recognizing the need to collect and report geological information gathered during the drilling process, Co-Design also developed a Lithological Strip Log program to record and report geological information.

In 1988, Co-Design introduced an inventory control/billing system specifically designed to meet the needs of companies that supply drilling fluids to the petroleum industry. During 1988/89, Co-Design worked with Shell Canada to develop an integrated, micro/mainframe computer, drilling database system (DISCUS) that would fully integrate the well site collection process and provide users of the system with a true basis for a drilling engineering workstation.

In the fall of 1989, Co-Design introduced the Daily Reporting System (DRS). This system is designed to provide the well operator with the ability to record, transmit, report, and store wellsite drilling and completions information without the expense and overhead of a traditional database structure. DRS is optimized for maximum flexibility and speed with the shortest learning period possible.

Co-Design presently employs four people: two in sales/customer support and two in programming/technical support.

Specialization
Collection, security communication, and display/printing of drilling and geological information.

R&D Activities
Simplified user interfaces to collection programs.

Major Clients
Shell Canada Ltd., BP Canada Inc., Bearspaw Mud Logging.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ STRIPCHART	Geological logs	MS-DOS	1988	37
■ DRS	Daily drilling reporting	MS-DOS	1989	4
■ DISCUS	Drilling database	MS-DOS, UNIX	1990	1

Comgen Software Services Ltd.

#610, 6130 - 3 Street S.E.
Calgary, Alberta
T2H 1K4

☎ 252-6160

258-2807

Executive Officer(s)
Bryan Hollens *President*

No. of Employees in Alberta	*1-5*
Firm established in	*1984*
Firm started commercial software activities in	*1984*

Contact Person Bryan Hollens

Technical Environments

Hardware Platforms
- IBM
- Memorex

Operating Systems
- IBM-SSP System/36

Programming Language
- RPG II

Programming Environment
- IBM-SSP System/36

Applications

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Income tax
- FIS (financial information systems)
- Assets management
- Financial control/ planning

Engineering & Science
- Engineering computational tools

Target Market

General Business
- General business/ public at large - all sectors

Professional Services
- Engineering

Company Profile & Focus

Comgen Software Services Ltd. is an Alberta-based company that develops custom software solutions for IBM System/36 computer systems.

Comgen started development of comprehensive estimating system for general construction contractors which should be completed in 1991.

Specialization

Estimating system for general construction contractors.

Major Clients

Graham Construction and Engineering Ltd.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
● ESTIMATING SYSTEM		IBM System/36	1979	1

Commonwealth Geophysical Development Co. Ltd.

6620 Crowchild Trail S.W.
Calgary, Alberta
T3E 5R8

☎ 246-9190

• 242-9670

Executive Officer(s)
Sudhir Jain *President*

No. of Employees in Alberta	***7-15***
Firm established in	***1977***
Firm started commercial software activities in	***1989***

Contact Person Sudhir Jain

Technical Environments

Operating Systems
- MS-DOS/PC-DOS
- VAX-VMS

Programming Language
- C
- FORTRAN

Applications

Graphics
- Computer graphical user interfaces

Engineering & Science
- Mathematical applications/ simulation software
- Geophysical processing

Target Market

Resource Industries
- Mining
- Oil & gas extraction industry

Professional Services
- Geophysics

Company Profile & Focus

PC compatible software for modelling and interpreting gravity and magnetic data is available for purchase. This novel set of programs provides an effective means of inverting and allows efficient forward modelling of potential field data to find source characteristics.

The company's seismic inversion technique SONISEIS (which computes velocities from seismic amplitude variations) has been continuously improved since the company was founded. SONISEIS, VELSEIS (a technique which uses CDP gathers to calculate low frequency velocity variations) and amplitude vs. offset analysis have been incorporated into a total package, SONIPACK. This new product, currently running under VAX-VMS, is now being developed for use on PCs.

The Canadian Society of Exploration Geophysicists recognized the research and development efforts of Dr. Jain and Commonwealth Geophysical by awarding Dr. Jain an honorary membership for his "efforts and dedication to the service of geophysics".

Specialization
Interactive/Graphical seismic, gravity and magnetic interpretation and modelling programs based on DOS and VAX-VMS machines.

R&D Activities
Seismic, gravity and magnetic interpretation and processing techniques.

Major Clients
Petro Canada Resources, PCIAC, Pan Canadian Petroleum, Rife Resources, Altana Exploration, Home Oil Company, Westcoast Petroleum, Hunt Oil Company.

International Sales
Morocco, Bolivia, Texas.

Notes & Comments
The company has the capacity to develop software for a client's special needs.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ GRAVITY Package	Interactive/Graphical 2- & 3-D modelling and inversion of gravity data	MS-DOS		
■ MAGNETIC Package	Interactive/Graphical 2 & 3 dimensional modelling and inversion of magnetic data	MS-DOS		
■ SONISEIS Package	Seismic inversion	MS-DOS		

* All products include colour plotting programs

All software is available for MS-DOS based microcomputers

Compu-Group Consultants Inc.

P. O. Box 1813, Station M
Calgary, Alberta
T2P 2L8

☎ 246-3292

Executive Officer(s)
David V. Wong *President*

No. of Employees in Alberta	***1-6***
Firm established in	***1985***
Firm started commercial software activities in	***1985***

Contact Person David V. Wong

Technical Environments

Operating Systems
- MS-DOS/PC-DOS
- MVS
- MVS-SP
- MVS-TSO
- MVS-XA
- OS
- OS-2/OS-2-Extended
- OS-MVS
- OS-VMS
- OS-VS
- OS-VS1
- OS-VS2
- OS-VSI
- PC-DOS
- VMS
- MVS/ESA, etc.

Programming Language
- COBOL
- PL/1

Programming Environment
- Too numerous to mention
- Too numerous to mention
- DB2
- CICS
- IMS/ IMS-DB/ IMS-DC
- SQL
- Too numerous to mention

Applications

DP & Computer Sys. Applic.
- Assemblers/ compilers/ code translators
- Computer languages 4GL
- Data capture/ validation
- Data handling tools
- Data security/ encryption/ cryptography/ virus protection/ copy protection
- Operating systems
- Systems utilities

Communications
- Terminal emulation

Connectivity
- DBMS
- Standard dbms

Office Automation
- MIS management information systems

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Income tax
- Assets management
- Other accounting

Engineering & Science
- Mathematical applications/ simulation software

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry
- Financial

Manufacturing & Processing Ind.
- Petrochemical industry

Service Industry
- Banking & financial institutions

Professional Services
- Computer/ software specialists/ MIS department

High Technology
- Computer software

Government & Education
- Municipal governments

Company Profile & Focus

Compu-Group Consultants Inc. is an Alberta-based company that is contracted by various companies to develop various types of applications software.

Specialization

Payroll, television graphics, design & development of application software.

Major Clients

Petro Canada Inc., Olympic Organizing Committee, Alberta Treasury Branch, Alberta Municipal Affairs, Sulpetro, AGT, CTV, ABC, AMOCO Canada.

Compudata Systems Consulting Inc.

#200, 1135 - 64 Avenue S.E.
Calgary, Alberta
T2H 2J7

☎ 258-1448

• 253-0017

Executive Officer(s)
Catherine M. Kletke *President*
Theodore Gordyko *Director*

No. of Employees in Alberta	***N/A***
Firm established in	***1981***
Firm started commercial software activities in	***1981***

Contact Person Catherine Kletke

Technical Environments

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)
- UNIX
- XENIX

Programming Language
- C
- COBOL

Applications

DP & Computer Sys. Applic.
- Operating systems

Word/ Text Processing
- DTP (desk top publishing)
- Word processing

Communications
- Communications software (e.g. ProComm/ CrossTalk)

Spreadsheets
- Spreadsheets

Office Automation
- Agenda/ calendar
- Correspondence/ administrative document tracking
- Inventory control

Accounting and Finance
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- FIS (financial information systems)
- Financial control/ planning
- Custom financial banking

Target Market

General Business
- General business/ public at large - all sectors

Service Industry
- Banking & financial institutions
- Distribution/ wholesale services industry

Company Profile & Focus

Information was not provided.

Specialization
Financial banking/credit union and general accounting software, and custom software development.

R&D Activities
Credit Union System Software.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ FINANCIAL BANKING SYSTEM / CREDIT UNION SYSTEM		UNIX/XENIX & MS-DOS	1981	22
■ CUSTOM ACCOUNTING SYSTEM		MS-DOS	1981	?

Compudoc Systems Ltd.

#316, 6707 Elbow Drive S.W.
Calgary, Alberta
T2V 0E5

☎ 255-1081

255-6037

Executive Officer(s)
Allan Simon *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1983*
Firm started commercial software activities in	*1983*

Contact Person Allan Simon

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- Concurrent DOS

Programming Language
- BASIC

Programming Environment
- Access Manager

Applications

Office Automation
- MIS management information systems
- Scheduling

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/R (accounts receivable)
- Billing & invoicing

Target Market

Professional Services
- Medical offices
- Other health care professionnals

Company Profile & Focus

In business since 1983, Compudoc Systems Ltd. provides software for medical offices and related health care facilities.

Currently, 90 offices with over 240 physicians in Alberta and Saskatchewan are using Compudoc software.

Applications include: billing (both to provincial health care commission and direct); patient medical data; appointment scheduling; word processing and accounting.

The company also provides billing services and conversion to magnetic media for direct transmission to Alberta and Saskatchewan Health Care billing centres.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ COMPUDOC	Medical office management system	CDOS	1983	90+

Compuseis Data Systems Ltd.

#910, 640 - 8 Avenue S.W.
Calgary, Alberta
T2P 1G7

☎ 237-7470

• 237-0261

Executive Officer(s)
John Vogel *President*
Gary Biagioni *Secretary/Treasurer*

No. of Employees in Alberta	***1-6***
Firm established in	***1984***
Firm started commercial software activities in	***1984***

Contact Person David Statham

Technical Environments

Hardware Platforms
- HP
- Sun
- 286 AT - all makes

Operating Systems
- UNIX

Programming Language
- C

Graphical User Interface
- Windows

Target Market

Resource Industries
- oil & gas extraction industry

Company Profile & Focus

Compuseis is a computer software development company serving the oil and gas industry in the area of seismic line location. The company currently has three packages available, the first of which is SEIS-LINK, a seismic line location plat generation system which allows companies to access the Compuseis data base from their location using an IBM or compatible PC.

The second package is GDM or Geophysical Data Management, which allows companies to keep track of their own geophysical data in-house.

The third is a package which is available to data brokerage companies for maintaining tneir own data bases. Applications are currently running on SUN and HP hardware with an UNIX operating system.

Computer Modelling Group

3512 - 33 Street N.W.
Calgary, Alberta
T2L 2A6

☎ 282-9286

⌟ 038-6726

• 282-6495

Executive Officer(s)
Frank L. Meyer *President*
Don E. Towson *Chairman*

No. of Employees in Alberta	*16-24*
Firm established in	*1977*
Firm started commercial software activities in	*1977*

Contact Person Frank Meyer

Technical Environments

Hardware Platforms
- Apollo
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- UNIX

Programming Language
- FORTRAN

Graphical User Interface
- GKS

Applications

Graphics
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)

Engineering & Science
- Engineering computational tools
- Mathematical applications/ simulation software

Target Market

Resource Industries
- Oil & gas extraction industry

Professional Services
- Engineering

Company Profile & Focus

The Computer Modelling Group was formed in 1977 as an Alberta non-profit research and development organization to provide state-of-the-art reservoir simulation technology to its members. The members, who are oil companies, governmental agencies and universities from around the world, support CMG financially and participate in technical development. The membership has grown from less than 30 participants to over 70 in approximately 20 different countries. These programs for isothermal and thermal investigations of all conceivable reservoirs are updated and upgraded approximately every year. An annual symposium is held in Calgary (for members and technical representatives from all the participants) to form the directives for each successive year to include investigative research, applied research and development. Although CMG is not a reservoir simulation consultant, the staff is always ready to assist any member-participant in data-set problems, program modifications and output interpretations. CMG can be considered a mature, well-rounded company currently achieving its mandate.

Specialization
Petroleum reservoir simulation in Fortran Source Code Format to fit on almost any modern day computer facility.

R&D Activities
Continually updates and upgrades the entire suite of programs and distributes these technology improvements to its members/participants.

Major Clients
Almost every major oil company (i.e.: Esso/Exxon, Mobil, Chevron, Amoco, Shell, Texaco, BP, Oxy, Gulf, PanCanadian, plus 60 others).

International Sales
Solicitation for membership is done one-to-one. Members in Equador, USA, Mexico, Venezuela, Trinidad, Brazil, Bolivia, Colombia, Iran, France, Norway, UK, Australia, China, Japan, UAE, Kuwait, Libya, Italy and Indonesia.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ IMEX	Black oil/pseudo miscible	Virtual Memory Modern Computer		over 70
■ GEM	Compositional	"		"
■ STARS	Thermal & additives	"		"
■ THEWS	Thermal wellbore	"		"
■ SIMGEN	Digitizing & I/O	"		"

Comsoft Inc.

#208, 10335 - 172 Street
Edmonton, Alberta
T5S 1K9

☎ 489-5994

• 486-4335

Branch Offices

☐ Mississauga, ON

☐ Vancouver, BC

Executive Officer(s)

Dwayne Kushniruk *President*
Terry Orletsky *V P - Product Devel*

No. of Employees in Alberta	***25-49***
Firm established in	***1983***
Firm started commercial software activities in	***1984***

Contact Person Dwayne Kushniruk

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- Concurrent DOS
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- PC-DOS (same as MS-DOS)

Graphical User Interface
- Proprietary

Programming Environment
- Clipper
- 3COM
- Netware/ Advanced-Netware

Applications

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Assets management
- Financial control/ planning
- Auditing applications
- Other accounting
- Job estimating/costing

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Target Market

General Business
- General business/ public at large - all sectors

Manufacturing & Processing Ind.
- Construction & housing

Professional Services
- Accountants
- Administrators
- Business consulting
- Computer/ software specialists/ MIS department
- Engineering

High Technology
- Computer hardware
- Computer software

Government & Education
- School boards
- Universities & Colleges
- Other educational institutions

Company Profile & Focus

The founders of Comsoft Inc. had a vision: to develop the most advanced, feature-packed, yet easy-to-use accounting software for the horizontal worldwide market of businesses using the ubiquitous IBM/DOS computers.

Years of research and careful listening to user needs culminated in the ABACUS family of technologically-superior accounting software products. ABACUS software features "bottom-up" integration, intuitive user interface, advanced multi-user capabilities, and powerful database. Integration between the various accounting tasks occurs in the background, requiring no conscious effort or understanding on the part of the user.

That the company has been successful is evidenced by the market's ready acceptance of the ABACUS product line. Every year since 1985, Comsoft has doubled its installed user base without a sales force or promotion budget, an expansion driven mainly by product strengths and customer referrals.

Specialization

Developing an advanced, feature-packed and easy-to-use accounting software for businesses using IBM/DOS.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ ABACUS EL (Entry level)	For novice computer users in small businesses, or as an educational learning tool			
■ ABACUS I	For small (single-user) business requiring an integrated Accounting System			
■ ABACUS II	For businesses that require either multi-user (LAN's), sophisticated accounting or indust[illegible]pecific Job Estimating/Costing or inventor			

Customers Choice Ltd.

#3, 9833 - 44 Avenue
Edmonton, Alberta
T6E 5E3

☎ 438-7289

Executive Officer(s)
Alexander Balogun *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1986*
Firm started commercial software activities in	*1986*

Contact Person Alexander Balogun

Technical Environments

Operating Systems
- PC-DOS (same as MS-DOS)
- UNIX
- XENIX

Programming Language
- Assembler
- C
- Database (TAS)

Graphical User Interface
- Presentation Manager - PM
- Windows

Programming Environment
- dBase & Clones
- DB2
- SQL
- Netware/ Advanced Netware
- LANtastic

Add Ins
- to accounting software

Applications

DP & Computer Sys. Applic.
- Computer languages 4GL (fourth generation languages)
- Data capture/ validation
- Data handling tools
- Search and retrieval software/ engines for DBMS's

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Other accounting

Marketing & Sales
- Market research
- Merchandising & direct sales
- POS (point of sale) & order entry/ order processing

Manufacturing Software
- MRP (Material Manufacturing Resource Planning)
- Process control

Target Market

General Business
- General business/ public at large - all sectors

Manufacturing & Processing Ind.
- Auto manufacturing

Service Industry
- Distribution/ wholesale services industry
- Retail trade

Cultural Industries
- Churches

Company Profile & Focus

Information was not provided.

Specialization
Networking, Integration, and accounting.

Major Clients
North American Coach, R. B. Williams Industrial, Can-Am Distributors.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• SOMETHING SIMPLE FOR CHURCHES	Total management of all church activities	DOS-MULTIUSER	1988	100
• SOMETHING SIMPLE ADVANCED SYSTEM		DOS-MULTIUSER	1989	20
• AUTO DEALER CHOICE	Auto dealer total management	DOS-MULTIUSER	1990	3
• AUTO PARTS MANAGER				

D & S Knowledge Systems Inc.

#700, 125 - 9 Avenue S.E.
Calgary, Alberta
T2G 0P6

☎ 268-6500

📠 038-2464

• 269-7265

Head Office

D & S Petroleum Consulting Group Ltd.

Executive Officer(s)

Ted Denhartog *C E O*
Bill Fisher *President*

No. of Employees in Alberta	***100 Plus***
Firm established in	***1964***
Firm started commercial software activities in	***1975***

Contact Person John Schnessl

Technical Environments

Hardware Platforms
- IBM
- DEC
- Prime
- WANG
- Apollo
- HP
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- HP-UX
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- Sun-OS
- ULTRIX
- UNIX
- XENIX
- VAX-VMS
- VMS

Programming Language
- Assembler
- BASIC
- C
- COBOL
- FORTRAN
- Module-2
- PASCAL

Graphical User Interface
- CGI-GSS-GKS

Programming Environment
- dBase & Clones
- Oracle
- CTREE,INFORMIX,DB VISTA
- 3COM
- EXCELAN

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software
- Data capture/ validation
- Data handling tools
- Expert systems shells
- Operating systems

Graphics
- Computer graphical user interfaces

Word/ Text Processing
- DTP (desk top publishing)
- Word processing

Communications
- Communications software (e.g. ProComm/ CrossTalk)

Connectivity
- LAN (local area network)

Accounting and Finance
- Assets management
- Financial control/ planning
- Property evaluation/ assessment

Engineering & Science
- Engineering computational tools
- Petroleum software

Target Market

Resource Industries
- Oil & gas extraction industry

Service Industry
- Banking & financial institutions

Professional Services
- Business consulting
- Computer/ software specialists/ MIS department
- Engineering
- Petroleum consulting

High Technology
- Computer software

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- Universities & colleges
- Other educational institutions

D & S Knowledge Systems Inc.

Company Profile & Focus

D & S is one of the oldest integrated petroleum consulting firms in Canada. The company employs 105 people including 50 computer and software specialists. D & S offers a wide range of professional consulting services, technical and commercial software products, and a computer timeshare service bureau, on a world wide basis.

Since inception, D & S has addressed the needs of the petroleum industry by providing integrated services and software products. To meet this demand the company adopted a long range business plan which included consulting diversification, software research and development, and high technology growth.

D & S made a strong commitment in 1979 to channel additional monetary and human resources to the development of state-of-the-art software products. Due to the long-term dedication of the company to high-technology, several major accomplishments have been achieved. The first was a breakthrough in reservoir simulation, with the development of a reliable iterative solution technique. Very large thermal, compositional or black oil simulations can now be run approximately an order of magnitude faster than could be done using conventional direct solution methods.

The second major breakthrough was in Artificial Intelligence (AI), with the development of an expert log analysis system.

D & S is dedicated to maintaining its innovative research and development program to stay in the forefront of technology and to grow in the market place. External financing for such high-tech development was provided by Vencap Equities Alberta Ltd.

Specialization

Log analysis software, reservoir simulation software, production accounting, economics.

R&D Activities

2 year joint venture with the Alberta Research Council on AI (Artificial Intelligence) research.

Major Clients

Petro Canada, AMOCO, ARC, Gulf Canada, Mobil, Houston, Norcen, Oil & gas Development Corp. (Pakistan), North Canadian Oils, Veba Oil (Libya).

International Sales

Participate in trade shows in the USA. Currently trying to setup a US agent for our software. Have had sales trips to the UK and North Africa but currently don't distribute there.

Products

Name	Description	Operating System	Year Int.	Abs.
● INTELLOG	Log analysis	UNIX XENIX PC 80386	1987	20
● FORTE	Reservoir engineering	UNIX XENIX VMS PC or VAX	1985	6
● COMPAS	Production accounting	OS-2 VMS PC or VAX	1983	30
● GENESIS	Reservoir simulation	DOS PC 80386	1989	6
● PRO	Production history database	VMS VAX	1984	40
● REAP	Resource eng. & economics	DOS PC 80286	1981	20
● ERGO	Economics	VMS XENIX VAX or PC	1980	2

D B Robinson and Associates Ltd.

9419 - 20 Avenue
Edmonton, Alberta
T6N 1E5

☎ 463-6636

• 450-1668

Executive Officer(s)
Dr. Heng-Joo Ng *President*
Dr. Mirco Ruzzaghi *Manager-Software*

No. of Employees in Alberta	*1-5*
Firm established in	*1980*
Firm started commercial software activities in	*1976*

Contact Person: Denise Chang-Yen

Technical Environments

Hardware Platforms
- IBM
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- FORTRAN

Graphical User Interface
- Interactive Fortran

Applications

Engineering & Science
- Chemical engineering software

Target Market

Resource Industries
- Oil & gas extraction industry
- Hydrocarbon, gas processing

High Technology
- Petroleum

Company Profile & Focus

D B Robinson & Associates Ltd. provides the petroleum and petrochemical industries with service in the measurement of hydrocarbon fluid behaviour and properties. It has developed software that is useful in the prediction of these properties and experimental laboratory equipment used for these measurements.

Having experienced tremendous growth, the company has restructured in order to service its client base more effectively. In doing so, DB Robinson Research Ltd., the software and engineering arm of the company, now operates independently of DB Robinson and Associates Ltd. and DB Robinson Design and Manufacturing Ltd.

The mandate of DB Robinson Research Ltd. is to provide the hydrocarbon industry with precise research quality measurements and interpretation of data from specialized hydrocarbon phase behavior and fluid property studies. The range of systems studied varies from the properties and behavior of reservoir fluids to supercritical extraction for food processing. The common thread for this work is the exacting quality required in both property measurement and fluid analysis. In doing so, the company has developed a full spectrum of computer programs designed to offer engineers assistance in solving problems relating to hydrocarbon phase behavior, fluid property measurement and hydrocarbon stagewise separation processes. The available software packages routinely find numerous applications wherever the design and operation of hydrocarbon production, transportation and processing facilities exist. DB Robinson Research Ltd. also markets and supports multiphase flow software on behalf of Baker-Jardine and Associates Ltd. of London.

Specialization
Hydrocarbon fluid property and phase behavior prediction software, chemical process unit operation simulation.

R&D Activities
Equation-of-state development, amine technology and sour gas removal simulation.

Major Clients
AMOCO Corporation, Shell, Texaco, Dow, Chevron, Gulf.

International Sales
Sales worldwide - Major focus: USA, Western Europe. Trade Shows: AIChE, SPE, North Sea.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ EQUIPHASE	Phase Behavior	IBM PC's and Compatibles; Mainframe	1976	120
■ EQUIPHASE	Hydrate	*	1978	50
■ EQUIPHASE	EOR	*	1982	10
■ EQUIPHASE	Sulfur Solubility	*	1980	3
■ AMSIM		*	1981	130
■ PIPESIM		*	1986	5
■ PIPESIM-PLUS		*		
■ PIPESIM-GOAL		*		

* Also available for UNIX systems

D G L Software Services Ltd.

#210, 840 - 6 Avenue S.W.
Calgary, Alberta
T2P 3E5

☎ 234-9202

265-3528

Executive Officer(s)
D. G. Lundeen *President*

No. of Employees in Alberta	*7-15*
Firm established in	*1979*
Firm started commercial software activities in	*1979*

Contact Person D. G. Lundeen

Technical Environments

Hardware Platforms
- DEC

Operating Systems
- VAX-VMS

Programming Language
- FORTRAN

Applications

Accounting and Finance
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll

Target Market

Resource Industries
- Oil & gas extraction industry

Professional Services
- Accountants

Company Profile & Focus

For the last 10 years, D G L Software, a Calgary-based software firm, has been serving the oil and gas accounting industry. The company provides both production-revenue accounting and financial accounting software. Clients dial into D G L's service bureau or the company installs the software on their in-house computers. In addition, D G L also provides production-revenue accounting and financial accounting consulting for smaller companies.

D K W Systems Corporation

#730, 9919 - 105 Street
Edmonton, Alberta
T5K 1B1

☎ 426-1551

426-0778

Branch Offices

- Calgary, AB
- Vancouver, BC

Executive Officer(s)

Denis Clelland *C E O*
Yusef Javeri *President*
Wayne Henkelman *C F O*

No. of Employees in Alberta	***100 Plus***
Firm established in	***1976***
Firm started commercial software activities in	***1986***

Contact Person Sam B. Sherstobitoff

Technical Environments

Hardware Platforms
- Prime
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PICK
- UNIX
- XENIX
- PRIMOS

Programming Language
- BASIC
- C
- COBOL
- PASCAL
- Information, NATURAL

Programming Environment
- CASE
- Clipper
- dBase & Clones
- Oracle
- PowerHouse
- SAA
- SQL, INFORM
- DB2, ADABAS, IDMS
- CICS
- IJMS
- IMS/ IMS-DB/ IMS-DC
- SSP
- CSP, TELON
- 3COM
- Netware/ Advanced-Netware
- Vines/ Banyan
- Novell

Add ins
- to dBase
- to 1-2-3
- to word processing software
- to scientific
- to CAD
- to accounting software
- to operating systems

Applications

DP & Computer Sys. Applic.
- CASE methods and tools (computer aided software engineering)
- Computer languages 4GL (fourth generation languages)
- Data capture/ validation
- Data handling tools
- Data security/ encryption/ cryptography/ virus protection/ copy protection
- Expert systems shells
- Search and retrieval software/ engines for DBMS's

Graphics
- Computer graphical user interfaces

Communications
- Communications software (e.g. ProComm/ CrossTalk)
- SNA, TCP/IP

Connectivity
- DBMS (data base management systems)

Education & Training
- Computer based training

Asset Management
- GIS (geographic information systems)

Target Market

Resource Industries
- Agriculture

High technology
- Computer hardware
- Computer software
- Radio & television

D K W Systems Corporation

Company Profile & Focus

D K W Systems Corporation offers innovative systems solutions technical specialists, experienced consultants and systems personnel who understand business.

D K W provides facilities management services, and services related to data centre management and operation systems planning services, feasibility studies, long-range system strategies and disaster recover planning, full life-cycle design and development services review oriented services, and many more.

Specialization

Very specialized automation technology for the radio & television broadcast industry, object-oriented techniques and graphical user interfaces.

R&D Activities

Integration of digital sound technology with conventional computer equipment for play back purposes, music on hard disk, CD-ROM and re-recordable CD-ROM jukeboxes.

International Sales

Directly and through agents in Korea, South East Asia, Australia, New Zealand, Mexico, Peru, USA, Europe and USSR. Initial contact made through advertising in trade specific magazines and trade shows in USA, Korea, Canada.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• CABS	Computer aided broadcasting system	UNIX/DOS	1988	2
• LIVEWIRE	News management system	MS-DOS	3rd 1990	6
• VMS	Veterinary management system	Multiplatform	3rd 1990	-
• RESCAM	Travel wholesaler reservation system	Multiplatform	1991	

D M R Group Inc.

#1500, 10020 - 101A Avenue
Edmonton, Alberta
T5J 3G2

☎ 423-2070

• 423-0102

Head Office

D M R Group Inc. (Head Office)
Suite 2300,
1200 McGill College Avenue
Montreal PQ
H3B 4G7

☎ 877-3301

• 866-0423

Branch Offices

Calgary, AB

☎ 265-6001

Vancouver, BC

☎ 669-9077

Executive Officer(s)

Pierre Y. Ducros *Chairman - C E O*
J. Alain Roy *Vice Chairman/V Pre*

No. of Employees in Alberta	***100 Plus***
Firm established in	***1973***
Firm started commercial software activities in	***N/A***

Contact Person Bill Clark

Technical Environments

Hardware Platforms

- Amdahl
- Bull
- CDC
- IBM
- Unisys-Burrough-Sperry
- AT&T
- Data General
- DEC
- HP
- NCR
- Prime
- Tandem
- WANG
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems

- AIX
- Apple Mac (finder/MultiFinder)
- MS-DOS/PC-DOS
- MVS
- MVS-SP
- MVS-TSO
- MVS-XA
- OS
- OS-2/OS-2-Extended
- OS-MVS
- OS-MVT
- OS-VMS
- UNIX
- XENIX
- VAX-VMS
- VMS

Programming Language

- Assembler
- C
- COBOL
- FORTRAN
- PASCAL
- PL/1
- Prolog
- RPG

Graphical User Interface

- DEC Windows
- DeskMate
- Display Postscript
- GEM
- Mac
- New Wave
- Open Look
- OSF/Motif
- Presentation Manager - PM
- X-Window
- Windows

Technical Environments (con't)

Programming Environment

- CASE
- Clipper
- dBase & Clones
- Oracle
- SAA
- AI & expert system shell
- DB2
- CICS
- IDMS
- SQL
- Netware/ Advanced-Netware
- TOPS
- Vines/ Banyan
- Waterloo PORT

Add Ins

- to dBase
- to 1-2-3

Applications

DP & Computer Sys. Applic.

- Artificial intelligence software
- Assemblers/ compilers/ code translators
- CASE methods and tools (computer aided software engineering)
- Computer languages 4GL (fourth generation languages)
- Data capture/ validation
- Data handling tools
- Data security/ encryption/ cryptography/ virus protection/ copy protection
- Expert systems shells
- Operating systems
- Search and retrieval software/ engines for DBMS's
- Systems utilities

Graphics

- Computer graphical user interfaces
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)

Word/ Text Processing

- DTP (desk top publishing)
- Word processing

Communications

- BBS (bulletin board system) software
- Communications software
- E-mail software
- Gateway/ communication networks
- Terminal emulation
- Voice messaging software

D M R Group Inc.

Applications (cont')

Connectivity
- DBMS (data base management systems)
- EDI/ OSI software
- Full text databases
- LAN (local area network)
- Micro-mainframe session handlers
- Session simulators
- WAN (wide area network)

Spreadsheets
- Spreadsheets

Office Automation
- Agenda/ calendar
- Correspondence/ administrative document tracking
- EIS executive information systems
- "Groupware"/ all variants
- Human resources management
- Image-based document management
- Inventory control
- MIS management information systems
- PIM personal information managers (IZE/ Grand View/ PackRat type)
- Project management
- Purchasing
- Records/ document management
- Scheduling

Accounting and Finance
- Integrated accounting
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Financial control/ planning
- Other accounting

Asset Management
- GIS (geographic information systems)
- Maintenance/ building/ machinery/ vehicles/ etc.

Manufacturing Software
- JIT (just-in-time) software
- MRP (Material/Manufacturing Resource Planning)
- Process control
- Quality control

Engineering & Science
- Surveying & mapping software

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Agriculture
- Fisheries
- Forestry
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Health care products industry
- Petrochemical industry

Service Industry
- Advertising & public relations industry
- Banking & financial institutions
- Distribution/ wholesale services industry
- Environmental services
- Hospital & health clinics industry
- Insurance
- Real estate
- Public utilities (hydro/ cable/ etc.)
- Tourism/ hotel industry
- Air

Professional Services
- Accountants
- Administrators
- Business consulting
- Computer/ software specialists/ MIS department
- Legal services / lawyers
- Surveying & mapping
- Medical offices
- Other health care professionnals

High Technology
- Computer hardware
- Computer software
- Defence & aerospace
- Laboratories
- Materials sciences
- Telecommunications

Government & education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

D M R Group Inc.

Company Profile & Focus

D M R Group Inc. is a group of companies providing information management and technology services throughout the world. It offers clients effective business solutions aimed at securing significant strategic advantages in their respective markets and sectors of activity.

D M R is the leading management consulting firm in its field in Canada. It has been at the forefront of world-wide advances in information management and technology since the early 1980s. In the process, it has earned a reputation for integrity, the quality of its services and the success of the projects undertaken.

Since it was created in 1973, D M R has completed more than 6,000 projects for over 2,000 clients. Revenue for fiscal 1989-1990 reached Can $169.8 million, which represents a compound annual growth rate of about 50% over the past 16 years. D M R became a public corporation in 1986.

The D M R Group has 41 offices in eight countries on three continents. It employs 2,000 highly-qualified and motivated people, who are attracted and challenged by D M R's stimulating approach and high standards.

The quality of D M R Group's services, its innovative approach, its knowledge of the markets, the competence of its personnel, and its strong international presence have attracted an impressive and diversified clientele.

Specialization

Information management and technology services.

R&D Activities

DMR Productivity Plus (P+), DMR Strategy Plus (S+), DMR Architecture Plus (A+) and DMR Benefits Plus (B+) are the products of the R & D project called Macroscope.

International Sales

Europe, Canada, Australia, USA.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ P+	System Development Life Cycle Methodology	NA	1988	120

D-Tech-T Inc.

Executive Suite,
444 Queensland Road S.E.
Calgary, Alberta
T2J 4G9

☎ 278-7249

• 278-6025

Executive Officer(s)
Deidre A. Macht

No. of Employees in Alberta	*1-6*
Firm established in	*1985*
Firm started commercial software activities in	*1988*

Contact Person Deidre A. Macht

Technical Environments

Hardware Platforms
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- C
- PASCAL
- Oracle (SQL)

Graphical User Interface
- Windows

Programming Environment
- Oracle
- SQL
- Oracle Client Manager

Add Ins
- to 1-2-3
- to word processing software
- to accounting software
- to operating systems

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software
- Computer languages 4GL (fourth generation languages)
- Data capture/ validation
- Data handling tools
- Data security/ encryption/ cryptography/ virus protection/ copy protection
- Expert systems shells
- Operating systems
- Search and retrieval software/ engines for DBMS's
- Systems utilities

Graphics
- Computer graphical user interfaces
- Graphics tools (digital video capture & processing/ screen capture/ scanning/software

Word/ Text Processing
- DTP (desk top publishing)
- Word processing

Communications
- UPlink/LAN

Connectivity
- Data Base Management Systems
- LAN (local area network)
- Micro-mainframe session handlers
- WAN (wide area network)
- Other/ connectivity

Spreadsheets
- Spreadsheets

Applications (cont')

Office Automation
- Correspondence/ administrative document tracking
- Human resources management
- Inventory control
- MIS management information systems
- Project management
- Purchasing
- Records/ document management
- Scheduling
- Tracking

Education & Training
- Authoring languages
- Computer based training
- Courseware
- Security

Accounting and Finance
- Billing & invoicing
- Assets management
- Financial control/ planning
- Auditing applications
- Property evaluation/ assessment

Marketing & Sales
- Market research
- Material/ stock management
- Inventory tracking

Asset Management
- Data acquisition/ remote sensing/ etc.
- Energy management applications
- Environment related applications
- Curation, bankruptcy

Engineering & Science
- Statistical applications software
- Investigation, security

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Agriculture
- Fisheries
- Forestry
- Mining
- Oil & gas extraction industry
- Most others (CA)

Manufacturing & Processing Ind.
- Automotive
- Chemical
- Energy equipment
- Food products
- Health care products industry
- Industrial equipment & machinery
- Petrochemical industry
- Pharmaceutical industry
- Pulp & paper industry

D-Tech-T Inc.

Target Market (cont')

- Banking & financial institutions
- Brokerage industry
- Distribution/ wholesale services industry
- Environmental services
- Hospital & health clinics industry
- Public utilities (hydro/ cable/ etc.)
- Tourism/ hotel industry
- Air
- Marine
- Rail
- Trucking

Target Market (cont')

Professional Services

- Accountants
- Administrators
- Business consulting
- Computer/ software specialists/ MIS department
- Engineering
- Legal services / lawyers
- News agencies/ journalists/ reporters
- Medical offices
- Security/law

High Technology

- Computer software
- Law

Government & Education

- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions
- Law - taxation

Company Profile & Focus

De'dre Macht is the chairman of the board for D-Tech-T Inc. (pronounced detect). She incorporated the company in November of 1985. D-Tech-T is involved in the highly specialized fields of: travel/tourism, environmental and functionality analysis, systems on-line security, and most recently, secured telecommunication transmission. In March of 1990, D-Tech-T became parent corporation to four highly integrated subsidiary companies: ICME (Institute of Corporate Modular Education); TEM (Technologies for Enforcement Management); TSOS (Technologies for Systems On-line Security); TST (Technologies for Secured Telecommunications). Deidre Macht has marketing and business data processing degrees. She is a member of CESA (Computer Education Society of Alberta), a member of the executive for the American Society for Industrial Security as well as a member of CSI (Computer Security Institute). She has been an instructor at Mount Royal College complementing the Criminal Justice Program with a course directed at on-line integrity/security. D-Tech-T's technological needs analysis experience lends itself to the in-depth hardware and software knowledge base required when recommending the ideal technological scenario suited to a client's needs.

Specialization

Oracle & natural 4GL experts, authoring systems, petroleum production accounting, computer based training courseware.

R&D Activities

Research of law enforcement & security investigation requirements; development of relational data tracking - expert systems.

Major Clients

Esso, Canadian Parks Service-Law and Marketing, City of Calgary, Alberta Tourism, Peat Marwick Thorne, Cooper & Lybrand, Mount Royal College, Renaissance Energy.

International Sales

OPEC - Columbus, Ohio; Kerr-McGee - Alabama; Malaysian Royal Family - Poaching Tracking System.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ RELATIONAL DATA TRACKING SYSTEM	Present utilization by Canadian parks service-law enforcement	Oracle/Mainframe /Micro/LAN		
■ PETROLEUM INDUSTRY PRODUCTION ACCOUNTING	Computer training package		Month end process	

DATAP Systems

10th Floor, 940 - 6 Avenue S.W.
Calgary, Alberta
T2P 3T1

☎ 237-9500

038-2157

237-9898

Head Office

Sandwell Inc.
Park Place, 666 Burrard Street
Vancouver BC
V6C-2X8

☎ 684-0055

684-6683

Branch Offices

Burnaby, BC

☎ 430-6683

Atlanta, GA

☎ 433-9450

Executive Officer(s)

Vic R. Thomas *V P-General Manager*
R. A. Schmaltz *Dir-Market & Sales*
J. J. McMullen *Operations Manager*

No. of Employees in Alberta	***100 Plus***
Firm established in	***1969***
Firm started commercial software activities in	***1969***

Contact Person Lucy DelCol

Technical Environments

Hardware Platforms
- Data General
- DEC
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- RSX
- XENIX

Programming Language
- Assembler
- C
- FORTRAN
- PASCAL

Graphical User Interface
- DEC Windows
- X-Window

Programming Environment
- PowerHouse
- Habitat
- 3COM

Applications

Word/ Text Processing
- Specialized editors (e.g. Brief/ personal editor/ etc.)
- Word processing

Communications
- Communications software (e.g. ProComm/ CrossTalk)
- E-mail software

Connectivity
- LAN (local area network)
- Micro-mainframe session handlers

Spreadsheets
- Spreadsheets

Office Automation
- Project management

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)

Target Market

Service Industry
- Banking & financial institutions
- Public utilities (hydro/ cable/ etc.)
- Rail

Professional Services
- Engineering

High Technology
- Computer software
- Telecommunications

Government & Education
- Provincial & state governments

DATAP Systems

Company Profile & Focus

For more than 20 years, DATAP has been a leader in the development of innovative real-time automation and information management systems. Working as partners with customers in a variety of industries, DATAP has implemented total systems solutions for telecommunications, petroleum, electrical utility, materials handling and transportation throughout the world. The company's technology and capability are the result of an extensive research and development program. DATAP employees include professional engineers, scientists and technicians who share a common goal of leadership in network management and intelligent network systems. The Calgary business unit specializes in network management systems for public networks and administers the IRIS (Intelligent Real-Time Information System) family of products.

Specialization

Advanced computer control systems; specialized services to telecommunications, petroleum, bulk handling materials, electrical utility.

R&D Activities

Software development capabilities in Pascal, C, VMX, UNIX and various graphic user interfaces.

Major Clients

Telecom Canada, NorthwestTel Inc., Cable and Wireless, Shell Canada, Pacific Telecom Cable, U S Sprint, SaskTel, Alascom.

International Sales

Marketing in Europe through partnerships with local companies. Sales in Mexico, the Caribbean and South America through a representative organization. Direct sales force focused on Canada and the USA.

Notes & Comments

DATAP ensures customer total quality through the adoption of software quality standards, customer service centers, ongoing and service plans.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ IRIS 7	Intelligent Real-Time Information System	DEC, VAX, VMS, UNIX	1985, 1991	50
■ IDEA	Intelligent Data Evaluation & Analysis	DEC, VAX, VMS	1987	5
■ RTU	Remote Terminal Units DS Line of Software		1986	1000

Daniel Computing Systems Inc.

#1240, 717 - 7 Avenue S.W.
Calgary, Alberta
T2P 0Z3

☎ 264-5937

Executive Officer(s)
Dan R. Mackie *President*

No. of Employees in Alberta *1-6*
Firm established in *1982*
Firm started commercial software activities in *1980*

Contact Person Dan Mackie

Technical Environments

Hardware Platforms
- DEC
- PC and XT (808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- Micro RSX
- MS-DOS PC-DOS
- PC-DOS (same as MS-DOS)
- RSX
- VM 386

Programming Language
- Assembler
- FORTRAN

Applications

Asset Management
- Data acquisition: remote sensing, etc.
- Energy management applications

Manufacturing Software
- Process control
- Robotics and automation: materials handling
- SCADA

Engineering & Science
- Laboratory & instrumentation software

Target Market

Resource Industries
- Oil & gas extraction industry

Company Profile & Focus

Daniel Computing develops and services software for field automation SCADA systems. Daniel is a privately held Calgary company incorporated in 1982. DCSCADA, Daniel's PC-based SCADA software, was first installed in 1987. Existing DCSCADA applications vary from product pipeline ticketing in Ontario, to monitoring a heavy oil steam pilot in Saskatchewan, to a system sold by a USA manufacturer to drive their oil well beam pump control units for customers in California. Daniel consulting and custom fitting services are important to customers since competitive products often do not have adequate support services readily available. Support helped Daniel win a contract to upgrade the master station for a civic fire alarm system in Alberta.

DCSCADA's ability to interface with equipment from multiple vendors provides important integration services to clients, and provides OPEN SCADA system which helps clients keep their suppliers competitive.

Specialization
Hardware/software integration & development & support for field automation.

R&D Activities
Developed a performance monitor for RSX-II, a digital PDP-II operating system.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ DCSCADA	PC-based SCADA package	DOS, VM 386	1987	18

DataPath Support Group Inc.

#306, 9622 - 42 Avenue
Edmonton, Alberta
T6E 5Y4

☎ 450-9444

• 462-5724

Executive Officer(s)
Lewis Chan

No. of Employees in Alberta	*1-6*
Firm established in	*1989*
Firm started commercial software activities in	*1989*

Contact Person Lewis Chan

Technical Environments

Hardware Platforms
- IBM
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- PC-DOS (same as MS-DOS)
- XENIX

Programming Language
- C
- dBASE

Graphical User Interface
- Windows

Programming Environment
- Clipper
- dBase & Clones
- Netware/ Advanced Netware

Add Ins
- to dBase
- to 1 ?-3
- to accounting software

Applications

Graphics
- Graphics tools (digital video capture & processing/ screen capture/ scanning software

Word/ Text Processing
- DTP (desk top publishing)
- Word processing

Connectivity
- LAN (local area network)

Spreadsheets
- Spreadsheets

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)

Target Market

General Business
- General business/ public at large - all sectors

Manufacturing & Processing Ind.
- Construction & housing
- Furniture
- Food products

Service Industry
- Distribution/ wholesale services industry

Professional Services
- Accountants

Company Profile & Focus

Data Path Support Group Inc. markets and supports a wide range of high quality solutions that are geared to the specific needs of a diverse range of customers and industries. In the past, the company has established a solid base of clients who continually provide repeat business and leads for potential business. The company has an excellent reputation among clients, computer industry contacts, and a good working relationship with suppliers.

One of the company's corporate strategies is to be the leading integrator of high-tech products in the local market. In that regard, they have taken the initiative to understand such niche offerings as desktop publishing, networking, communications, and specialized accounting.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
● ACCPAC	Integrated accounting	MS-DOS	1989	50
● AccountMate	Integrated accounting	MS-DOS XENIX	1989	10
● ALPS Printers			1989	20
● Xerox		Xerox	1989	1
● Novell		Novell	1989	25
● BUSINESSVISION	Integrated accounting	MS-DOS	1990	

DataSpan Technology Inc.

#400, 540 - 5 Avenue S.W.
Calgary, Alberta
T2P 0M2

☎ 237-9313

• 263-4403

Executive Officer(s)
Ben Berg *President*

No. of Employees in Alberta	*25-49*
Firm established in	*1985*
Firm started commercial software activities in	*1989*

Contact Person Richard C. Goneski

Technical Environments

Hardware Platforms
- Apollo
- MIPS
- Sun

Operating Systems
- Sun-OS
- UNIX

Programming Language
- LISP
- OOPS - C++ & all other

Graphical User Interface
- X Window
- SunView

Programming Environment
- Emacs

Add Ins
- to CAD

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software
- Data capture/ validation

Graphics
- Computer graphical user interfaces
- Graphics tools, scanner

Target Market

Resource Industries
- Forestry
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Automotive
- Construction & housing
- Electrical equipment
- Electronic equipment industry
- Industrial equipment & machinery

Professional Services
- Architects
- Engineering
- Surveying & mapping

High Technology
- GIS

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments

Company Profile & Focus

DataSpan was formed in 1985 in response to industry and government needs for an efficient, comprehensive service in automated digital data capture (DDC). Since then, the company has consistently proven itself through the provision of DDC services to a variety of government agencies and private companies. DataSpan has developed proprietary software for high speed raster-to-vector conversion and interactive graphics editing. This software has been recently released for sale on a license basis. DataSpan is heavily committed to research and development, and is now recognized as a world leader in the adaptation of artificial intelligence to data conversion. Advanced software modules for automatic number recognition and line following have been developed through an on-going joint venture agreement with the Alberta Research Council. Present research is focused on automatic character and symbol recognition, and development of additional modules to further streamline the DDC process. DataSpan also offers services in seismic processing, image processing and high resolution plotting.

Specialization
Hard copy to digital data conversion, symbol/number/character recognition.

R&D Activities
Artificial intelligence directed document conversion.

Major Clients
I.M.I. Corp. (Japan)

International Sales
Distribution through Auto-trol Technologies, advertising in SUN Catalyst Catalogue and MIPS RISCWARE.

Products

Name	Description	Operating System	Year Int.	No.
• RVCS	Raster-to-vector	UNIX*	1991	1
• ALF	Vector editor	UNIX*	1991	1

*Hardware: Sun, MIPS, Apollo

Dataworks Inc.

#650, 240 - 11 Avenue S.W.
Calgary, Alberta
T2R 0C3

☎ 266-1595

Executive Officer(s)
Greg Sandau *Partner*
Brian Cox *Partner*

No. of Employees in Alberta	*1-6*
Firm established in	*1985*
Firm started commercial software activities in	*1985*

Contact Person Greg Sandau

Technical Environments

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- Assembler
- C

Programming Environment
- Clipper
- Netware/ Advanced-Netware

Add Ins
- to dBase
- to 1-2-3
- to operating systems

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools
- Data security/ encryption/ cryptography/ virus protection/ copy protection

Graphics
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)

Communications
- Communications software (e.g. ProComm/ CrossTalk)

Connectivity
- DBMS (data base management systems)
- LAN (local area network)

Engineering & Science
- Engineering computational tools

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Petrochemical industry

Professional Services
- Computer/ software specialists/ MIS department

Company Profile & Focus

Dataworks Inc. was incorporated in Calgary in 1985. Dataworks is an established leader in developing sophisticated database management systems for microcomputers. Expertise includes: powerful relational database management on PCs and PC networks; secure data communications using telephones, radios and/or satellites; multi-format graphics for a variety of monitors, printers and plotters; intuitive, user-friendly interface.

All systems include installation, documentation and on-line help as well as dial-up or on-site user support as required.

Specialization
Stand alone and networked microcomputer database systems using secure multi-environment communications; multi-format business graphics.

R&D Activities
Integration of multiple hardware environment data communications; development of proprietary hierarchical menuing interface.

Major Clients
Canadian Occidental Petroleum Ltd., Suncor, Texaco Canada Resources Ltd.

International Sales
DBMS/communications software in use throughout the world including North America, Middle East, Pacific Rim and the Gulf Coast.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• MAX-WELL	Remote well information management & communicatons	DOS/PC	1989	10
• Custom Software & Documentation	Large variety of database management systems	DOS/PC	1985	2

Datek Industries Ltd.

8522 Davies Road
Edmonton, Alberta
T6E 4Y5

☎ 465-1530

℻ 465-0130

Executive Officer(s)
Peter Van der Zee *President*
Dallas Hauge *Dir. of Marketing*

No. of Employees in Alberta	***50-100***
Firm established in	***1971***
Firm started commercial software activities in	***1971***

Contact Person Dallas Hauge

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 386 486 - all makes

Operating Systems
- IRMX

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools
- Data security/ encryption/ cryptography/ virus protection/ copy protection

Graphics
- Computer graphical user interfaces

Manufacturing Software
- Process control

Target Market

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Chemical
- Petrochemical industry

Government & Education
- Federal government
- Municipal governments

Company Profile & Focus

Datek Industries Ltd. is an Alberta-based electronics company that has specialized in data acquisition and supervisory control systems since 1971. The unique ability to research, design, build, and test integrated hardware and software systems in-house, for the petroleum and utility industries, has positioned Datek for growth in this demanding market niche.

Datek's professional software engineers have specialized in the development of real time software for the acquisition and display of data through a user configurable operator interface. A large part of the power and effectiveness of this software is due to the fact that it may be run on a multi-processor based system. This proprietary product is also available for PCs. The PC version is ideal for low cost applications where a single operator interface is required.

Custom solutions will remain a strength of Datek. At the same time development of a family of products is taking place. These products will allow clients to develop their own solutions by using field modifiable software.

Specialization
Solving unique requirements for hardware/software in data acquisition and control.

R&D Activities
15 - 20 full time research engineers and research facilities available to provide custom solutions.

Major Clients
Nova, IPL, Mobil, Esso, Home, NB Power, AGT, Transok.

International Sales
Markets directly to clients in the USA and also uses agents.

Notes & Comments
Complete hardware and software systems are designed and manufactured at the Edmonton plant.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*

- Full featured, real-time SCADA master software for Intel multibus or PC systems.
- Data acquisition software/hardware (RTU, PLC, flow computer)
- Communications software - to/from a range of computers and devices, including device to device
- Full SCADA systems

Datrek Hospitality Systems Ltd.

#25, 6020 - 2 Street S.E.
Calgary, Alberta
T2H 2L8

☎ 253-5922

• 259-2042

Head Office
Inter-Soft Systems Ltd.

Branch Offices
☐ Manitoba

☐ Bermuda & Barbados

Executive Officer(s)
Jim Burney *Director*
Ned Burney *President*

No. of Employees in Alberta	*7-15*
Firm established in	*1985*
Firm started commercial software activities in	*1986*

Contact Person Jim Burney

Technical Environments

Hardware Platforms
- AT&T
- IBM
- NCR
- HP
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- AIX
- AU/X
- HP-UX
- ULTRIX
- UNIX
- XENIX

Programming Language
- C
- COBOL

Graphical User Interface
- X-Window

Add Ins
- to accounting software

Applications

Office Automation
- MIS management information systems
- Reservation systems

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll

Target Market

Service Industry
- Food services industry (Restaurants)
- Tourism/ hotel industry

Company Profile & Focus

Datrek Hospitality Systems Ltd., a wholly-owned subsidiary of Inter-Soft Systems Ltd., is the marketing arm of Inter-Soft's products for the hospitality industry. Since the introduction of the first product in 1988 (COMFORT: Computerized Front Office & Reservation Technology), Datrek has expanded its markets across Canada and abroad.

Datrek software products are targeted for the hospitality industry and are designed for hotels/motels that do not possess computer expertise and technical knowledge. A total user interface shields the user from all technical jargon. The systems provide automation of a hotel's reservations, forecasting, front desk, advance deposit, night audit, travel agent, guest history and sales & marketing activities. Optional back of the house accounting and interfaces to F & B and AGT's call accounting systems are also available.

Datrek firmly believes that one aspect of improving services in a hotel/motel is through the use of cost effective, sophisticated systems to achieve improved service, reduce paperwork, and increase time to be a host. Datrek is dedicated to bringing such systems to meet these challenges. Datrek offers ongoing software support, 7 days a week, through modem, to all its users from Calgary and from its affiliated offices in Manitoba, Bermuda and Barbados.

Specialization
Management information systems for the hospitality and tourism industry.

R&D Activities
Software for the hotel industry.

Major Clients
Travelodge Hotels, Ramada Inns, Holiday Inn, and independent hotels from Yellowknife, NWT to the Caribbean.

International Sales
Bermuda, Caribbean, USA.

Products

Name	Description	Operating System	Year Int.	No.
● COMFORT	Hotel management & reservation system	UNIX/XENIX 80386/486	1988	30
● REALWORLD ACCOUNTING	A/R, A/P, G/L & payroll for hotels	UNIX/XENIX MICROS	1989	20
● PC REGISTER	Property management system for smaller hotels/motels	UNIX/XENIX MICROS	1990	10

Deltek Software Systems Ltd.

17007 - 107 Avenue
Edmonton, Alberta
T5S 1G3

☎ 483-7967

• 486-7070

Executive Officer(s)
Joan C. Barichello *President*
David J. Biensch *Vice President*
Steve E. Rosborough *Vice President*

No. of Employees in Alberta	*1-6*
Firm established in	*1982*
Firm started commercial software activities in	*1983*

Contact Person David J. Biensch

Technical Environments

Hardware Platforms
- IBM
- AT&T
- Prime
- DEC
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MicroVMS
- MS-DOS PC-DOS
- MVS
- MVS-TSO
- PC-DOS (same as MS-DOS)
- UNIX
- VAX-VMS
- VMS

Programming Language
- APL
- BASIC
- C
- COBOL
- FORTRAN

Graphical User Interface
- Windows

Programming Environment
- Clipper
- Oracle
- Info DB+
- CICS
- Netware/ Advanced Netware

Add Ins
- to dBase
- to 1-2-3
- to word processing software
- to accounting software

Applications

Word Text Processing
- Word processing

Spreadsheets
- Spreadsheets

Office Automation
- Agenda calendar
- Correspondence/ administrative document tracking
- Inventory control
- Project management
- Records document management
- Scheduling

Education & Training
- Computer based training

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Income tax
- FIS (financial information systems)

Engineering & Science
- Civil engineering software

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Forestry
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Automotive
- Chemical
- Construction & housing
- Primary metal & mineral processing
- Petrochemical industry
- Pharmaceutical industry

Service Industry
- Air
- Rail
- Trucking

Professional Services
- Accountants
- Architects
- Business consulting
- Engineering
- Legal services / lawyers
- Surveying & mapping
- Medical offices

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Deltek Software Systems Ltd.

Company Profile & Focus

Deltek Software Systems Ltd. is an Alberta-based company which specializes in computer software and hardware for organizations in technical and professional environments.

The company commenced operation in 1985 as a software consulting firm developing systems for engineering and public sector clients. Deltek now provides the full spectrum of computer services to clients by offering both hardware and software solutions.

These services include: project management, planning, data modelling, management consulting, technical support, office automation, consulting application development, training, package selection and installation.

Deltek's commitment to their customers is a service that provides clients with reliable proven products and dedicated support.

Specialization

Integrating software and hardware in the office automation environment; database development.

Major Clients

Canadian Liquid Air; Interprovincial Pipelines; Alberta Public Works, Supply, and Services; Alberta Transportation and Utilities; Canada Energy, Mines and Resources; The University of Calgary; City of Edmonton; NAIT; SAIT and UMA Engineering Ltd.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ DATABASE DEVELOPMENT SOFTWARE	Multi-user system Mini- and Micro-computers			
■ WORD PROCESSING SOFTWARE	Multi-user system Mini- and Micro-computers			
■ SPREADSHEET SOFTWARE	Multi-user system Mini- and Micro-computers			
■ ACCOUNTING SOFTWARE	Multi-user system Mini- and Micro-computers			
■ PROJECT MANAGEMENT SOFTWARE	Multi-user system Mini- and Micro-computers			
■ FLEET MANAGEMENT SOFTWARE	Multi-user system Mini- and Micro-computers			

Dyad Systems Group Ltd.

Dyad Centre, 7260 - 12 Street S.E.
Calgary, Alberta
T2H 2S5

☎ 259-4545

• 253-9053

Head Office

Dyad Holdings Ltd.

Executive Officer(s)

Don M. Robin *President*

No. of Employees in Alberta	*7-15*
Firm established in	*1977*
Firm started commercial software activities in	*1977*

Contact Person Don M. Robin

Technical Environments

Hardware Platforms
- IBM

Operating Systems
- IBM OS/400 SSP

Programming Environment
- SAA
- SSP

Applications

DP & Computer Sys. Applic.
- Assemblers/ compilers/ code translators
- Data handling tools

Communications
- Voice messaging software

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Income tax
- FIS (financial information systems)
- Assets management
- Other accounting
- See verticals

Target Market

Manufacturing & Processing Ind.
- Job order costing

Service Industry
- Air
- Marine
- Rail
- Trucking

Cultural Industries
- Commercial printing ind.

Company Profile & Focus

Dyad Systems Group Ltd. specializes in providing turnkey systems on IBM hardware (AS/400 and AS/ENTRY) for the following applications: Trucking (bulk, full load, less than truck load); job order costing (commercial printing, other order costing); document image processing; and voice response.

Specialization

IMAGE PLUS on IBM AS/400

R&D Activities

Printing, trucking.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ TRUCKER	Transportation			
■ IMS	Printing			

E C L Petroleum Technologies

#560 Bow Valley Sqr 1,
202 - 6 Avenue S.W.
Calgary, Alberta
T2P 2R9

☎ 531-0300

• 531-0314

Head Office

Intera Information
Technologies Corporation
#2500, 101 - 6 Avenue S.W.
Calgary, Alberta
T2P 3P4

☎ 266-0900

• 265-0499

Branch Offices

- Denver, CO
- Henley-on-Thames, UK

Executive Officer(s)

W. S. Grigel *Director N. America*
I. F. Taylor *Vice President*
J. W. Serra *V P - Marketing*

No. of Employees in Alberta ***7-15***
Firm established in ***1987***
Firm started commercial software activities in ***1983***

Contact Person J. W. Serra

Technical Environments

Hardware Platforms

- Super Computer
- Cray
- Amdahl
- CDC
- IBM
- VAX
- Data General
- DEC
- HP
- Prime
- WANG
- Apollo
- MIPS
- Silicon Graphics
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems

- AIX
- Sun-OS
- UNIX

Programming Language

- FORTRAN

Applications

Graphics

- Computer graphical user interfaces

Engineering & Science

- Reservoir software

Target Market

Resource Industries

- Oil & gas extraction industry

Manufacturing & Processing Ind.

- Energy equipment

Professional Services

- Business consulting
- Computer/ software specialists/ MIS department
- Engineering
- Surveying & mapping

High Technology

- Biotechnology
- Computer software

Company Profile & Focus

Information was not provided.

E D M Management Systems Inc.

800 Royal Trust Tower
Edmonton, Alberta
T5J 2Z2

☎ 426-7179

428-1070

Executive Officer(s)
David M. Watling *President*

No. of Employees in Alberta ***7-15***
Firm established in ***1986***
Firm started commercial software activities in ***1986***

Contact Person Dave Watling

Technical Environments

Hardware Platforms
- Amdahl
- IBM
- Unisys-Burrough-Sperry
- Data General
- DEC
- HP
- Tandem
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- MVS
- MVS-SP
- MVS-TSO
- MVS-XA
- OS-2/OS-2-Extended
- PC-DOS (same as MS-DOS)
- VAX-VMS
- VM

Programming Language
- Assembler
- BASIC
- C
- COBOL
- FORTRAN
- Modula-2
- PASCAL

Graphical User Interface
- Presentation Manager - PM
- Windows

Programming Environment
- CASE
- Clipper
- dBase & Clones
- Oracle
- PowerHouse
- SAA
- Focus
- DB2
- CICS
- IDMS
- SQL
- XQL
- ADABAS
- 3COM
- Netware/ Advanced-Netware

Applications

Office Automation
- Correspondence/ administrative document tracking
- EIS executive information systems
- Human resources management
- Image-based document management
- Inventory control
- MIS management information systems
- Purchasing
- Records/ document management

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Assets management
- Financial control/ planning
- Fund raising

Asset Management
- Economic analysis

Target Market

General Business
- General business/ public at large - all sectors

Service Industry
- Hospital & health clinics industry
- Tourism/ hotel industry

Professional Services
- Accountants
- Administrators
- Legal services / lawyers
- Other health care professionnals
- Fund raisers

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

E D M Management Systems Inc.

Company Profile & Focus

Technology has the potential to greatly enhance an organization's ability to manage and utilize its information. Realization of the optimum return on investment, however, demands careful planning, system design and implementation. Furthermore, to ensure a smooth integration of information systems into the work place, all aspects of the information processing cycle must be addressed.

E D M Management Systems Inc. is a management and information technology consulting firm that specializes in pragmatic planning, design and implementation of systems that exploit modern information technology. The company addresses all aspects of manual and automated information design and development, records management and training.

E D M was formed in 1986 when Mr. David M. Wattling selected a highly skilled team of professionals from different disciplines to augment his already established systems consulting practice. E D M now employs 12 information management professionals.

Specialization

Development of practical plans for information management, a comprehensive view of information processing, innovative use of modern technology.

Major Clients

Alberta government departments, health units, fund raising organizations, telecommunications companies, law practices and numerous small businesses.

International Sales

Concentrating on Alberta at this time but exploring opportunities in neighbouring provinces.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*

The majority of the systems developed are customized for one client.
The company is currently exploring the possibility of "re-marketing" selected systems in the fund raising and health care sectors.

E F A Software Services Ltd.

#1115, 101 - 6 Avenue S.W.
Calgary, Alberta
T2P 3P4

☎ 265-6131

265-2893

Executive Officer(s)
David Ewasuik *President*

No. of Employees in Alberta	*7-15*
Firm established in	*1986*
Firm started commercial software activities in	*1986*

Contact Person David Ewasuik

Technical Environments

Hardware Platforms
- IBM
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- AIX
- Concurrent DOS
- OS-400
- 536 SSP

Programming Language
- COBOL
- RPG
- DBase

Programming Environment
- Clipper
- dBase & Clones
- SAA
- Synon
- DB2
- SSP

Applications

DP & Computer Sys. Applic.

Word/ Text Processing
- Word processing

Communications
- Communications software (e.g. ProComm/ CrossTalk)
- E-mail software
- Terminal emulation

Connectivity
- EDI/ OSI software

Applications (cont')

Office Automation
- Agenda/ calendar
- Inventory control
- MIS management information systems
- Project management

Education & Training
- Computer based training

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Income tax
- FIS (financial information systems)
- Assets management
- Financial control/ planning
- Other accounting

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Target Market

Manufacturing & Processing Ind.
- Construction & housing
- Electrical equipment
- Wood products

Service Industry
- Brokerage industry
- Distribution/ wholesale services industry
- Rail
- Trucking

Professional Services
- Architects

Company Profile & Focus

E F A Software Services Ltd. specializes in mid-range computers and PCs, particularly custom development and support. Custom software has been developed for: Alberta Stock Exchange; Alberta Intermodac Services; E-Mail; and Greyhound. E F A distributes and supports two software packages in the distribution industry. This activity includes SYNTAX, Canada's largest IBM distribution software company, and Classic Canadian Software, a locally developed software for the distributiobn industry.

Specialization
Distribution software and custom development.

R&D Activities
Alberta Stock Exchange.

Major Clients
Alberta Stock Exchange, Alberta Intermodal Services and Greyhound.

International Sales
Marketing to Jamaica Stock Exchange.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ SYNTAX	Distribution	S/38/400	1982	3
■ CLASSIC	Distribution	S/38/400	1981	60
■ STOCK EXCHANGE		S/38/400	1987	1
■ INTERMODAL TRANSPORTATION		S/38/400	1988	1

ESTec Systems Corp.

#209, 17510 - 102 Avenue
Edmonton, Alberta
T5S 1K2

☎ 483-7120

• 489-9557

Branch Offices

- Vancouver, BC
- Rochester Hills, NY

Executive Officer(s)

A. B. Nelson *President*
P. R. Stephenson *V P - Marketing*

No. of Employees in Alberta	*1-6*
Firm established in	*1975*
Firm started commercial software activities in	*1984*

Contact Person A. B. Nelson

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- PC-DOS (same as MS-DOS)
- UNIX
- XENIX

Programming Language
- ALGOL
- APL
- Assembler
- BASIC
- C
- FORTRAN
- LISP
- OOPS - C++ & all other
- PASCAL

Graphical User Interface
- Presentation Manager - PM
- Windows

Programming Environment
- Clipper
- dBase & Clones
- AI & expert system shell
- MiCOS
- BBx
- 3COM
- Netware/ Advanced-Netware

Technical Environments (cont')

Add Ins
- to CAD
- to accounting software

Applications

Office Automation
- Inventory control
- MIS management information systems
- Project management
- Purchasing
- Estimating

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Assets management

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Target Market

General Business
- General business/ public at large - all sectors

Manufacturing & Processing Ind.
- Construction & housing

Company Profile & Focus

ESTec Systems Corp. has two major focus areas. The company has developed and is publishing three construction estimating software packages. Each one meets the needs of a particular type of contractor. Two of the packages make use of a knowledge database to assist the estimator.

The other area of focus is consulting. As software consultants ESTec assists companies to automate their business. ESTec will custom modify the accounting and management information systems to meet the particular needs of the client business. ESTec assists small- and medium-sized businesses to link their computers through local and wide area networks.

Specialization
Custom software development and business automation.

R&D Activities
Development of commercial quality custom software. Developed and patented improvements in data entry technology.

Major Clients
The majority of clients are small and medium sized corporations.

International Sales
Maintain office in Michigan primarily to interface with our US dealer network.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ CAPE-4 Piping	Industrial petrochemical mechanical piping field erection estimating	MS/PC DOS	1986	
■ CAPE-4 Shop Fabrication		MS/PC DOS	1988	
■ CAPE-4 Estimating	Commercial/residential construction estimating	MS/PC DOS	1988	

El-Kow Software Systems Inc.

#305, 8925 - 51 Avenue
Edmonton, Alberta
T6E 5J3

☎ 469-6768

• 469-6815

Executive Officer(s)
Siegfried Kowand *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1986*
Firm started commercial software activities in	*1987*

Contact Person Siegfried Kowand

Technical Environments

Operating Systems
- PICK

Programming Language
- BASIC

Programming Environment
- Pick

Add Ins
- to accounting software

Applications

DP & Computer Sys. Applic.
- Computer languages 4GL (fourth generation languages)

Word/ Text Processing
- Word processing

Communications
- Pick communications

Spreadsheets
- Spreadsheets

Office Automation
- Agenda/ calendar
- Inventory control
- MIS management information systems

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Other accounting

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Target Market

General Business
- General business/ public at large - all sectors

Service Industry
- Hospital & health clinics industry

Company Profile & Focus

El-Kow Software Systems Inc. is an Alberta-based company that offers business software based on the PICK operating system.

The company began in 1987 with the introduction of PICK on personal computers. The company offers software from vendor based in the USA and has developed a para-medical software package to handle billing to Alberta Health Care for non-medical practitioners.

Specialization
Develops software products using Via Vision products; 4th GL software generator and REPTON family of products.

Major Clients
Small private companies.

Elan Consulting Group Inc.

#406, 805 - 8 Avenue S.W.
Calgary, Alberta
T2P 1H7

☎ 262-4117

• 262-5430

Executive Officer(s)
Ken Kleiner
Karl Schulze

No. of Employees in Alberta *1-6*
Firm established in *1989*
Firm started commercial software activities in *1989*

Contact Person Ken Kleiner

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems
- Apple Mac (finder/MultiFinder)
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- PC-DOS (same as MS-DOS)
- TOPS

Programming Language
- C
- PASCAL

Graphical User Interface
- Mac
- Windows

Programming Environment
- Clipper
- dBase & Clones
- 4th Dimension
- Fox Pro
- Netware/ Advanced-Netware
- TOPS

Add Ins
- to dBase
- to 1-2-3
- to word processing software
- to accounting software

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools

Graphics
- Computer graphical user interfaces
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)
- Graphics tools (digital video capture & processing/ screen capture/ scanning/software

Word/ Text Processing
- DTP (desk top publishing)
- Specialized editors (e.g. Brief/ personal editor/ etc.)
- Word processing

Communications
- E-mail software

Connectivity
- DBMS (data base management systems)
- Full text databases
- LAN (local area network)
- Micro-mainframe session handlers
- Standard dbms
- Other/ connectivity
- Fox BASE

Spreadsheets
- Spreadsheets

Applications (cont')

Office Automation
- Inventory control
- MIS management information systems
- Project management
- Purchasing
- Scheduling

Education & Training
- Authoring languages
- Computer based training
- Courseware

Accounting and Finance
- Billing & invoicing
- FIS (financial information systems)

Marketing & Sales
- Merchandising & direct sales
- POS (point of sale) & order entry/ order processing

Asset Management
- Data acquisition/ remote sensing/ etc.

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Food products
- Health care products industry

Service Industry
- Advertising & public relations industry
- Distribution/ wholesale services industry
- Food services industry (restaurants)
- Hospital & health clinics industry
- Leisure/ recreation & sports

Professional Services
- Accountants
- Architects
- Business consulting
- Computer/ software specialists/ MIS department
- Legal services / lawyers
- News agencies/ journalists/ reporters
- Medical offices
- Other health care professionnals

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments

Cultural Industries
- Newspapers publishers

Elan Consulting Group Inc.

Company Profile & Focus

Elan Consulting Group Inc. is an innovative vertical market database developer and support company for micro computers. Headquartered in Calgary, Elan was founded in 1989 to fill the void of professional support and custom development for Macintosh/MS-DOS based systems. Having no vested interest in one particular product line allows the company to design systems for most platforms while remaining within clients' design considerations.

Elan's services fall into two separate classifications: support and custom development. Elan provides telephone, electronic, on-site support and training for most of the common business applications. The company also writes custom database applications for various industries, including the retail, accounting, advertising and oil industry.

Specialization

Development of vertical market databases, also working on multimedia programs.

R&D Activities

Development of specialized routines to compliment the custom database applications.

Major Clients

Esso Resources, NovAtel, TransAlta, and Block Publishing.

International Sales

Currently writing multimedia applications for US market. Several specialized databases are now being modified to meet US requirements.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
● TRAIN TRAX	Training administration database	Mac	1989	4
● 4-IM	Inventory management	Mac/MS-DOS	1990	2
● PROMAN	Project management and billing	Mac/MS-DOS	1988	6

Engineered Systems

2960 Lindsay Drive S.W.
Calgary, Alberta
T3E 6A8

☎ 249-5752

Executive Officer(s)
Joseph Szikora *P. Eng*

No. of Employees in Alberta	**1-5**
Firm established in	**1983**
Firm started commercial software activities in	**1983**

Contact Person Joseph Szikora

Technical Environments

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- BASIC
- FORTRAN

Programming Environment
- Clipper
- dBase & Clones
- XyWrite

Applications

Word/ Text Processing
- DTP (desk top publishing)

Office Automation
- Inventory control

Accounting and Finance
- Assets management
- Manufacturing cost est.

Marketing & Sales
- Merchandising & direct sales

Target Market

Manufacturing & Processing Ind.
- Threaded products

Service Industry
- Retail trade

Cultural Industries
- Cult. establ./ perf. arts/ etc.
- Newspapers publishers
- Publishing industry (books & magazines)
- Churches, art galleries

Company Profile & Focus

Engineered Systems is a computer application development and consulting firm with 40 years of electronics and 20 years of computer applications development experience in the geophysical and commercial fields.

Capabilities include: system design and application in scientific and technical data handling; seismic and related signal analysis; survey error minimization; database design and custom software engineering.

Specialization

Current focus is on the art gallery system development; desk top publishing system refinements and consulting.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• FOREIGN LANGUAGE DTP SYSTEM	Based on XyWrite. Currently in Hungarian only	MS-DOS	1988	1
• COST ESTIMATING SYSTEM FOR THREADED PRODUCTS MFG.		MS-DOS	1984	1
• CHURCH DONATION MGMT. SYSTEM		MS-DOS	1985	1
• SELAID	Customer management system	MS-DOS	1987	1
• GALLERY LADY	Inventory system for consigned artwork	MS-DOS	Currently under development	

Expert Simulations Inc.

#130, 9650 - 20 Avenue
Edmonton, Alberta
T6N 1G1

☎ 450-0007

• 428-5376

Executive Officer(s)
Paul Andre Chamberland *Managing Director*
Randy Dong *Director of Tech.*

No. of Employees in Alberta	***1-6***
Firm established in	***1988***
Firm started commercial software activities in	***1988***

Contact Person Paul Chamberland

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- PC-DOS (same as MS-DOS)

Programming Language
- Assembler
- C
- OOPS - C++ & all other

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software

Education & Training
- Computer based training
- Courseware

Engineering & Science
- Chemical engineering software
- Mathematical applications/ simulation software

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Chemical
- Petrochemical industry

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions
- Computer training organ

Company Profile & Focus

Expert Simulations Inc. is a software development and marketing company which is developing software for the IBM PC and compatible platform. Their main project is a distillation column simulator called Distillex(TM). Work on this simulator began in January of 1989 and is expected to be completed by the end of 1991. Developmental efforts are currently concentrated on the expert system portion of the package.

The expert system will have an inherent learning capability which will enable it to customize itself to the specific requirement of the plants which will be using it. A highly evolved user interface and the optimization of operations are other significant feature of the Distillex package. Development of this program is funded in part by the National Research Council of Canada through the IRAP program.

Expert Simulations is also involved in the educational software market. They have developed an instructional package which gently introduces new computer users to the IBM PC and compatibles. The package is called First Step(TM) and is designed with the user in mind. This instructional program was developed using C. Version 1.0 of First Step and was released July 5, 1990.

Major Clients
Products are currently under development.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• FIRST STEP(TM)	Introduction to IBM & compatibles	IBM PC's 1990	release July 5, 1991	

Fazer Systems Inc.

#2500, 300 - 5 Avenue S.W.
Calgary, Alberta
T2P 3C4

☎ 264-5959

• 269-1809

Executive Officer(s)
Marc A. Karsteadt *President*

No. of Employees in Alberta ***1-6***
Firm established in ***1989***
Firm started commercial software activities in ***1989***

Contact Person Peter Taylor

Technical Environments

Hardware Platforms
- IBM
- HP
- Sun
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- MVS
- MVS-TSO
- OS-400
- UNIX

Programming Language
- BASIC
- C
- COBOL
- Transact

Graphical User Interface
- OSF/Motif
- X-Window
- MS-Windows

Programming Environment
- CASE
- Oracle
- Sybase
- SQL-Server

Company Profile & Focus

Fazer Systems Inc. is an innovative Calgary-based consulting firm providing a range of specialized, professional consulting services. Fazer was founded in April 1989, by Marc Karsteadt in response to a growing need for technically strong information systems consulting services in the Calgary market place. Fazer offers professional services in three practice areas: specialized oil and gas industry consulting; integration, network and open system consulting and general consulting.

Major Clients

Esso, Dow Chemicals, Petro Canada, ProGas Limited.

Fekete Associates Inc.

#2000, 540 - 5 Avenue S.W.
Calgary, Alberta
T2P 0M2

☎ 265-1550

• 266-5938

Executive Officer(s)
Gurmeet S. Brar *President*
Glen G. Ambrose *Vice President*
Louis Mattar *Vice President*

No. of Employees in Alberta ***25-49***
Firm established in
Firm started commercial software activities in ***1981***

Contact Person R. V. Hawkes

Technical Environments

Hardware Platforms
- DEC
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)
- VAX-VMS

Programming Language
- BASIC
- C

Graphical User Interface
- X-Window
- Windows

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Expert systems shells

Graphics
- Computer graphical user interfaces

Communications
- Terminal emulation

Connectivity
- LAN (local area network)

Education & Training
- Well Test

Engineering & Science
- CAE (computer aided engineering)
- Engineering computational tools
- Mathematical applications/ simulation software
- Reservoir engineering

Target Market

Resource Industries
- Oil & gas extraction industry

Professional Services
- Computer/ software specialists/ MIS department
- Engineering

High Technology
- Computer software

Company Profile & Focus

Fekete Associates Inc. is a petroleum consulting firm specializing in reservoir engineering and geology projects, economic evaluations of oil and gas properties, well test interpretation, computer software development and the management of oil and gas properties.

With over 27 years of production experience, the company provides detailed and comprehensive research, as well as programming and field supervision of various production engineering projects throughout the world. Key areas of our production engineering include lift optimization, stimulation design, well abandonments and workover design. These services can be provided in Calgary or in field offices complete with field supervision.

Specialization
Reservoir engineering software. Well testing analysis, economics evaluation, multinodal gas gathering and gas deliverability forecasting.

R&D Activities
Advanced technical and graphical programming.

Major Clients
AMOCO, Shell, Esso, Amerada, AEC, Encor, SaskOil, SackOil, Petro-Canada and Pan Canadian.

International Sales
SPE Computer Conferences: United States and Australia.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ F.A.S.T.(TM)	Well test analysis	MS-DOS	1990	100
■ VALIDATA(TM)	Pressure recorder validation	MS-DOS	1990	100
■ GDEL(TM)	Gas deliverability forecasting	MS-DOS	1982	100
■ GOLE(TM)	Gas and oil lease economics	VMS/MS-DOS	1980	-

FirstClass Systems Corp.

#5, 4539 - 6 Street N.E.
Calgary, Alberta
T2E 3Z5

☎ 277-4830

• 277-4843

Head Office

FirstClass Systems Corp.
#200, 1456 Johnston Road
White Rock BC
V4B-3Z5

☎ 538-7246

• 538-2896

Executive Officer(s)

Kenneth Tongue *President*
Kenneth Harrap *Vice President*
Kenneth Reimer *Mgr. Software Devel*

No. of Employees in Alberta	***1-6***
Firm established in	***1987***
Firm started commercial software activities in	***1987***

Contact Person Ken Reimer

Technical Environments

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- Assembler
- BASIC
- C

Programming Environment
- Proprietary

Applications

Education & Training
- Authoring languages
- Computer based training
- Diagnostics software
- Courseware

Target Market

General Business
- General business/ public at large - all sectors

Company Profile & Focus

Established in 1987 as a public corporation, FirstClass Systems Corp. has developed an international reputation for quality service and value in the provision of Computer Based Training (CBT) covering technical subjects of specific interest to Information Technology (IT) professionals.

The courses which have been developed fall under the broad heading of systems education and have been aimed at the market for technical training of professional programmers. The courses enjoy an excellent reputation and have been sold to a cross section of the premier organizations in Canada and the USA. Recently, markets have been opened up in Europe, Australia, India and the Far East. Early reactions indicate a high level of acceptance. FirstClass Systems now has over 400 clients in 15 countries.

In addition to the CBT courses related to IT topics, the company has been approached by their clients to develop custom CBT to support their training needs relating to a variety of topics. This has lead to the company providing custom development and instructional design consulting as a regular part of their business.

The quality and educational effectiveness of any training material is wholly dependent upon the designers of the material. Individuals with the academic and practical experience in developing CBT courses, coupled with that most important ingredient, creativity, are extremely difficult to find. FirstClass Systems currently has nine instructional designers on staff, with plans to add 14 more designers over the next two years.

R&D Activities

Research & development activities focused on instructional design, cognitive science, intelligent tutoring systems.

Major Clients

Whirlpool Corporation, ESSO, Price Waterhouse, Northern Telecom and SHL Systemhouse.

International Sales

Sales in USA, Canada, UK, France, Netherlands, Spain, India, Korea, Hong Kong, Japan, Australia, Papua New Guinea, etc.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ ADABAS	Concepts and FacilitiesCBT	IBM/PC or Compaq		
■ NATURAL2	CBT	IBM/PC or Compaq		
■ ADS/Online	CBT	IBM/PC or Compaq		
■ IDMS	CBT	IBM/PC or Compaq		
■ IDMS/R	CBT	IBM/PC or Compaq		
■ CICS/VS	Command Level CBT	IBM/PC or Compaq		
■ IMS (COBOL)	CBT	IBM/PC or Compaq		
■ IMS (PL/1)	CBT	IBM/PC or Compaq		
■ IntroductionDB2	CBT	IBM/PC or Compaq		
■ DB2	Application to Programming CBT	IBM/PC or Compaq		
■ IntroductionJCL	CBT	IBM/PC or Compaq		
■ CMS	CBT	IBM/PC or Compaq		
■ TSO/ISPF	CBT	IBM/PC or Compaq		
■ On-Line Systems Design	CBT	IBM/PC or Compaq		
■ Data Base Concepts	CBT	IBM/PC or Compaq		

FitzPatrick Engineering Ltd.

11124 - 54A Avenue
Edmonton, Alberta
T6H 0W2

☎ 438-1581

Branch Office
Vulcan, AB

☎ 485-2075

Executive Officer(s)
Arthur FitzPatrick *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1984*
Firm started commercial software activities in	*1984*

Contact Person A. Fitzpatrick

Technical Environments

Hardware Platforms
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- Concurrent DOS
- PC-DOS (same as MS-DOS)

Programming Language
- APL
- Assembler
- BASIC
- C
- FORTRAN
- LISP
- Prolog

Graphical User Interface
- Windows

Programming Environment
- dBase & Clones
- AI & expert system shell

Add Ins
- to word processing software
- to scientific
- to CAD
- to accounting software

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software
- Data capture/ validation
- Expert systems shells

Graphics
- Computer graphical user interfaces
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)
- Graphics tools (digital video capture & processing/ screen capture/ scanning/software

Word/ Text Processing
- DTP (desk top publishing)
- Specialized editors
- Word processing

Communications
- BBS (bulletin board system) software
- Communications software

Applications (cont')

- E-mail software
- Gateway/ communication networks
- Terminal emulation

Connectivity
- Data Base Management Systems
- Full text databases

Spreadsheets

Office Automation
- Human resources management
- Inventory control
- MIS management information systems
- Project management

Technical Environments

Manufacturing Software
- Computer Assisted Manufacturing
- Process control

Engineering & Science
- Agricultural engineering software
- CAE (computer aided engineering)
- Chemical engineering software
- Electrical engineering software
- Engineering computational tools
- Forestry engineering software
- Mathematical applications/ simulation software
- Mechanical engineering software
- Statistical applications software

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Construction & housing
- Electronic equipment industry
- Energy equipment
- Fabricated metal industry
- Petrochemical industry

Service Industry
- Environmental services

Professional Services
- Engineering

Company Profile & Focus

FitzPatrick Engineering Ltd. specializes in: industrial engineering, information systems, operational research, expert systems, mechanical engineering, mechanical design, computer aided engineering, management engineering, recruitment and selection, training, feasibility studies, economic studies, computer engineering, data acquisition, computer modelling, micro-electronic controls and systems engineering.

The principals of the firm have many years of experience in advanced technologies.

Specialization
Preparation of databases.

R&D Activities
Data acquisition (real time) and information retrieval.

Major Clients
Revenue Canada - Taxation (Science Advisor), Department of Western Economic Diversification (Consultant) and Consulting Engineers of Alberta (Consultant).

G D S & Associates Systems Ltd.

#300, 5241 Calgary Trail S.
Edmonton, Alberta
T6H 5G8

☎ 437-2728

• 437-3145

Head Office

G D S & Associates Systems Ltd.
#103, 2629 - 29 Avenue
Regina SK,
S4S 2N9

☎ 586-7832

• 584-3822

Executive Officer(s)

Tim Walker *General Manager*
Willis Groshong *President*

No. of Employees in Alberta	***7-15***
Firm established in	***1984***
Firm started commercial software activities in	***1984***

Contact Person Tim Walker

Technical Environments

Hardware Platforms
- Amdahl
- IBM
- Data General
- DEC
- HP
- Prime
- WANG
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems
- Apple Mac (finder/MultiFinder)
- MVS
- MVS-TSO
- MVS-XA
- OS-2/OS-2-Extended
- PC-DOS (same as MS-DOS)
- PICK
- UNIX
- VAX-VMS

Programming Language
- C
- COBOL
- CSP, ORACLE, BLACKSMITH

Programming Environment
- CASE
- Oracle
- SAA
- DATAFLEX
- DB2
- CICS
- IDMS
- IMS/ IMS-DB/ IMS-DC
- SQL
- 3COM
- Netware/ Advanced-Netware

Applications

DP & Computer Sys. Applic.
- CASE methods and tools (computer aided software engineering)
- Computer languages 4GL (fourth generation languages)
- Data capture/ validation

Word/ Text Processing
- DTP (desk top publishing)
- Word processing
- Data Dictionary

Connectivity
- DBMS (data base management systems)
- LAN (local area network)
- Micro-mainframe session handlers

Spreadsheets
- Spreadsheets

Office Automation
- Correspondence/ administrative document tracking
- Human resources management
- Records/ document management

Accounting and Finance
- FIS (financial information systems)
- pension fund management

Marketing & Sales
- Market research
- POS (point of sale) & order entry/ order processing

Asset Management
- Maintenance/ building/ machinery/ vehicles/ etc.

Engineering & Science
- Pavement managment

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry

Service Industry
- Brokerage industry
- Trucking
- Highways

Professional Services
- Business consulting
- Computer/ software specialists/ MIS department
- Engineering

High Technology
- Computer software

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards

G D S & Associates Systems Ltd.

Company Profile & Focus

G D S & Associates Systems Ltd. is a completely independent information management consulting company which provides information management consulting services ranging from strategic planning, information needs studies and requirements definitions, through to design, development, and implementation of systems. G D S has experience and expertise for full data processing consulting services ranging from micro computer-based systems to large on-line, real-time mainframe applications.

The company was founded in 1984 by three equal partners in Regina, Saskatchewan. A branch office was opened in Edmonton, Alberta in 1989. Operations have grown so that the firm employs 35 full-time staff. A stated goal of the company is to provide our clients with the most professional consulting service possible. The firm has developed a broad spectrum of skills in order to accomplish this.

Specialization

Strategic planning & research, situational analysis, systems maintenance, security, tuning, data process modelling and information engineering.

Major Clients

Government of Alberta, Government of Saskatchewan, Saskatchewan Pension Plan, Saskatchewan Oil and Gas, Saskatchewan Property Management Corp., Saskatchewan Power Corp., Moose Jaw Public School Div #1, Canwest Opinion Results Group, Regina Food Bank and Cribbs Co.

G M A

#745, 839 - 5 Avenue S.W.
Calgary, Alberta
T2P 3C8

☎ 261-4025

• 263-6493

Branch Office

Houston, TX

Executive Officer(s)

Greg Davidson *President*
Ron Newman *Vice President*

No. of Employees in Alberta	***7-15***
Firm established in	***1982***
Firm started commercial software activities in	***1983***

Contact Person Steve Dickin

Technical Environments

Hardware Platforms
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- PC-DOS (same as MS-DOS)
- UNIX

Programming Language
- C
- FORTRAN

Graphical User Interface
- *Own and G S S

Add Ins
- to dBase

Applications

DP & Computer Sys. Applic.
- Expert systems shells

Graphics
- Computer graphical user interfaces
- Graphics tools (digital video capture & processing/ screen capture/ scanning/software

Marketing & Sales
- Merchandising & direct sales

Asset Management
- Data acquisition/ remote sensing/ etc.
- Environment related applications

Engineering & Science
- Mathematical applications/ simulation software
- Structural analysis
- Geophysical

Target Market

Resource Industries
- Oil & gas extraction industry

High Technology
- Computer software

Company Profile & Focus

G M A is a Calgary-based company founded in 1982. Since developing their first stratigraphic modelling system on the original IBM PC, the company has gone on to produce seismic interpretation and structural modelling software. By the summer of 1989 G M A had over 600 software packages installed by more than 90 companies worldwide. These companies range from consultants to major oil companies. A key reason for the company's success is their emphasis on providing ongoing support and maintenance for their software. G M A is committed to continuing to provide quality software with solid support.

G M A is a leader in providing geophysical modelling and interpretation software.

Specialization

PC software, stratigraphic modelling, structural modelling, 2D seismic interpretation and seismic section digitizing.

R&D Activities

Development of geophysical software that is practical, easy to use and very well supported.

Major Clients

120 oil companies.

International Sales

24 countries - target to Canada, USA, UK and Southeast Asia. Agents are used.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ LOGM	Stratigraphic modelling	PC MS-DOS	1989	400
■ STRUCT	Structural modelling	PC MS-DOS	1989	100
■ GRITS	2-D seismic interpretation			10

G M T Software Systems Ltd.

618 - 3 Avenue S.
Lethbridge, Alberta
T1J 0H5

☎ 320-1143

• 320-1147

Executive Officer(s)
John McGee *President*

No. of Employees in Alberta	***1-6***
Firm established in	***1983***
Firm started commercial software activities in	***1983***

Contact Person John McGee

Technical Environments

Hardware Platforms
- AT&T
- NCR
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- UNIX

Programming Language
- C

Programming Environment
- 3COM
- Netware/ Advanced-Netware
- LANtastic

Add Ins
- to 1-2-3
- to word processing software

Applications

Office Automation
- Human resources management
- Inventory control
- Purchasing

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Assets management
- Financial control/ planning

Target Market

Government & Education
- School boards
- Health units

Cultural Industries
- Cultural product distributors

Company Profile & Focus

G M T Software Systems Ltd. began in 1983. The company developed a suite of some 15 management packages addressed primarily for school boards. Today, more than half the school boards in Manitoba, all the boards in the N.W.T., several in Saskatchewan and some 40 school boards in Alberta utilize our software for accounting functions ranging from inventory to payroll.

G M T also has 16 health units in the province utilizing their software. The company has grown steadily over the years and with the addition of several new packages expect a great future.

Specialization
Management software for school boards and health units.

Major Clients
Rockyview School Division, Calgary Health Services, Medicine Hat Public School District and Lethbridge Public School District.

Notes & Comments
We have a fully equipped classroom for software training.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ SCHOOL BOARD ADMINISTRATION	GL, accounts payable, payroll, fixed assets, inventory, purchasing, work orders, accounts receivable, salary negotiations, budgeting, cheque reconciliation		1982-85	200
■ HEALTH UNIT ADMINISTRATION	Same as above		1982-85	16
■ MEDIA DISTRIBUTION SYSTEM	Same as above		1983	15

G W N Systems Inc.

#200, 11133 - 124 Street
Edmonton, Alberta
T5N 2B3

☎ 452-0090

• 453-5207

Branch Office
Orlando, FL

☎ 352-2217

Executive Officer(s)
A. R. V. Ribeiro *President*
Wayne McLachlan *Secretary/ Treasurer*

No. of Employees in Alberta	***7-15***
Firm established in	***1986***
Firm started commercial software activities in	***1987***

Contact Person Gus Ribeiro

Technical Environments

Hardware Platforms
- Intergraph, Sun
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems
- Apple Mac (finder/MultiFinder)
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)
- UNIX

Programming Language
- C
- FORTRAN

Graphical User Interface
- Mac

Programming Environment
- dBase & Clones
- Oracle

Add Ins
- to CAD

Applications

Asset Management
- GIS (geographic information systems)

Engineering & Science
- Agricultural engineering software
- Civil engineering software
- Mining engineering software
- Surveying & mapping software

Target Market

Resource Industries
- Agriculture
- Forestry
- Mining

Manufacturing & Processing Ind.
- Construction & housing

Professional Services
- Engineering
- Surveying & mapping

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments

Company Profile & Focus

G W N Systems Inc. is an Alberta-based company formed in 1986 to provide advanced software development for A/E/C applications. G W N's key personnel possess both extensive software systems experience from micros to mainframes and practical engineering experience, which are basic to good software development. Corporately, G W N's objective is to provide clients with high quality, integrated civil-municipal design, utility mapping and GIS software which can be used on micros and workstations. This means a commitment of portability and expandability which will grow with the client.

G W N Systems now has over 600 clients in 20 countries worldwide and has become a world leader in the technology of terrain modelling.

Primarily, G W N's activity has been directed towards providing value-added application software products for AutoCAD and Intergraph's MicroStation PC/UNIX CAD systems. Platforms supported includes MS-DOS, Intergraph's 32C systems and Apple Macintosh.

Specialization
Interactive design applications using digital terrain modelling for contouring, earthwork calculations, highway design, geometry and utility mapping.

R&D Activities
Refinement of polygon processing and GIS networking and the development of integrated engineering design using CAD/CAE.

Major Clients
Alberta Land Surveys; Municipal Affairs; Forestry, Lands & Wildlife; Alberta Power; Alcan; Caltrans; Consolidated Coal Co.; Deleuw Cather; Ducks Unlimited; Samsung; SNC; Syncrude; UMA Engineering and US Army Corp of Engineers.

International Sales
Markets through dealers in over 20 countries and directly where there are none; initial contact made through trade missions and trade shows. Attends and exhibits in Canada, USA, etc.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ GWN-DTM	Sophisticated terrain modelling and design package			
■ GWN-COGO	Co-ordinate geometry package			
■ GWN-COGO-dB	Supplemental package interfacing with dBASE III			
■ GWN-MMS	Utility mapping package (AM/FM product)			
■ GWN-GIS	Geographic information system with full topology			
■ GWN-ROAD	Highways design package		(spring 1991)	
■ GWN-STORM	Storm damage design package		(spring 1991)	

General Computer Systems (Genesys) Ltd.

#201, 9332 - 49 Street
Edmonton, Alberta
T6B 2L7

☎ 465-0737

• 468-4979

Executive Officer(s)
Dale Slugoski *Managing Director*

No. of Employees in Alberta	***1-6***
Firm established in	***1982***
Firm started commercial software activities in	***1982***

Contact Person Don Hill

Technical Environments

Hardware Platforms
- NCR

Operating Systems
- UNIX

Programming Language
- C
- COBOL

Applications

Office Automation
- Inventory control
- Purchasing

Accounting and Finance
- Integrated accounting
- G.L. (general ledger)
- A.P. (accounts payable)
- A.R. (accounts receivable)
- Billing & invoicing
- Payroll

Marketing & Sales
- Merchandising & direct sales
- Livestock auction software

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Agriculture

Company Profile & Focus

The direction of the company for the first two years was divided in to two specific areas of software development. These areas were livestock marketing systems and inventory control/distribution systems. After the first two years, the two systems had each proven successful but the primary interest was on the livestock marketing package. Ultimately, development of the inventory distribution was discontinued, allowing full concentration on the livestock marketing systems.

Initial development of the MARKETMASTER system was done in co-operation with a major livestock market. Today, ten livestock auction markets in Alberta use Genesys software as well as several in BC, Saskatchewan, Manitoba and another five in Ontario. The company's software has been exported to the United States and is now being used in 19 different states.

In addition to MARKETMASTER the company also have developed DEALERMASTER for the livestock dealer or broker.

Specialization
Hardware VAR for NCR "Tower" (UNIX) integrated with peripherals and custom programs for livestock industries vertical market.

R&D Activities
Have developed computer interfaces to many types of weigh scales and have developed software for graphics tablet stylus drawing of brands.

Major Clients
Nilsson Bros. Livestock Exchange, Balog Auction Services, B.C. Livestock Co-operative Assoc., Eastern Livestock, LMA (Livestock Marketing Association).

International Sales
Export to USA through our distribution channels of the Livestock Marketing Assoc. in Kansas City, Missouri.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ MARKETMASTER	Livestock auction market system	UNIX/NCR	1982	40+
■ DEALERMASTER	Livestock dealer/broker system	UNIX/NCR	1985	10
■ LIENMACHINE	Livestock lien inquiry maint	UNIX/NCR	1985	17
■ ESS	Electronic livestock auction	UNIX/NCR	1988	1

Generation 5 Technology Ltd.

#225, 13220 St. Albert Trail
Edmonton, Alberta
T5L 4W1

☎ 455-9197

• 452-4183

Branch Office

☐ Regina, SK

☎ 721-2362

Executive Officer(s)

J. Lance Maidlow
Vernon Oliver Ralph Foster

No. of Employees in Alberta ***16-24***
Firm established in ***1985***
Firm started commercial software activities in ***1987***

Contact Person Ralph Foster

Technical Environments

Operating Systems
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- PC-DOS (same as MS-DOS)
- Sun-OS
- ULTRIX
- UNIX
- XENIX

Programming Language
- C
- PASCAL
- AutoLISP

Graphical User Interface
- Presentation Manager - PM
- X-Window

Programming Environment
- dBase & Clones
- Oracle
- SAA
- Ingress
- SQL
- 3COM
- Netware/ Advanced-Netware
- TOPS

Add Ins
- to dBase
- to CAD

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools
- Search and retrieval software/ engines for DBMS's

Graphics
- Computer graphical user interfaces
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)
- Graphics tools (digital video capture & processing/ screen capture/ scanning software

Connectivity
- DBMS (data base management systems)
- LAN (local area network)
- Standard dbms

Office Automation
- Image-based document management
- Inventory control
- MIS management information systems

Accounting and Finance
- Assets management
- Property Evaluation/ Assessment

Marketing & Sales
- Market research

Applications (cont')

Asset Management
- Data acquisition/ remote sensing/ etc.
- Energy management applications
- Environment related applications
- GIS (geographic information systems)
- Maintenance/ building/ machinery/ vehicles/ etc.

Engineering & Science
- Civil engineering software
- Forestry engineering software
- Mining engineering software
- Surveying & mapping software

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Agriculture
- Fisheries
- Forestry
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Petrochemical industry
- Pulp & paper industry

Service Industry
- Banking & financial institutions
- Distribution/ wholesale services industry
- Environmental services
- Hospital & health clinics industry
- Public utilities (hydro/ cable/ etc.)
- Air
- Marine
- Rail
- Trucking

Professional Services
- Architects
- Computer/ software specialists/ MIS department
- Engineering
- Surveying & mapping
- GIS consulting

High Technology
- Defence & aerospace
- Telecommunications

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Generation 5 Technology Ltd.

Company Profile & Focus

Generation 5 Technology Ltd. was incorporated in January 1985 with the objective of developing, acquiring, integrating and distributing computer software for computer-aided design and drafting in the engineering, architectural, municipal and land-related information systems markets.

The company and its principals are dedicated to the development and dissemination of generic, open architecture and easily adapted geographic information system software which provides engineers, planners, and administrators in the public and private sectors with fast and easy access to current and accurate decision support information.

Generation 5 Technology Ltd. has focused its research and development efforts on methodologies and software which integrate local and host databases with the graphical display capabilities provided by micro-computer-based AutoCAD (TM) software. Since its inception, the firm has dedicated its total resources to the design and production of software which provides this powerful functionality to end users.

These efforts have led to successful development of the Geo-SQL (TM) GIS software and its derivative applications. Geo-SQL (TM) has been successfully implemented and enthusiastically adopted in a wide variety of applications including municipal, transportation, oil and gas, environmental disaster management, power, airports, ports, irrigation, assets and facilities management, electoral mapping and basic surveying and engineering applications.

Generation 5 Technology Ltd. has over 20 employees in western Canada. It also maintains formal affiliations with Generation 5 Technology Inc. in Denver, Colorado, USA, who market Geo-SQL (TM) in the United States and Europe. Generation 5 Cartotechnical Inc. in Toronto, Ontario, Canada, who are responsible for client support and sales in eastern Canada, and a growing network of third party dealers, developers and distributors, who represent Generation 5 Technology Ltd. in the international marketplace.

Specialization
Geographic information system software development, design and system implementation assistance.

R&D Activities
All R & D activities for the Geo-SQL (TM) software are conducted in western Canada.

Major Clients
Department of National Defense, Saskatchewan Highways, ESSO Resources, Chevron, Oakville Hydro, Mass Port, Port of Oakland, U.S. Airforce and numerous municipalities worldwide.

International Sales
Distributors and VAR's established in the USA, England, France, Germany, Italy, Africa, India, Malaysia, Australia and Hong Kong.

Notes & Comments
Strategic developer for Autodesk Inc. Autodesk major account dealer.

Products

Name	Description	Operating System	Year Int.	No.
• Geo-SQL	Geographic information system software	DOS PC's	1987	700+
• Geo-DTM	Digital terrain model	DOS PC's	1990	30

Generation Systems

15108 - 78 Avenue
Edmonton, Alberta
T5R 3C7

☎ 444-5087

• 444-5087

Executive Officer(s)
James M. Stevenson, P.E. *Proprietor*

No. of Employees in Alberta 1-5
Firm established in
Firm started commercial software activities in 1988

Contact Person Jim Stevenson

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- R-BASIC (revelation)

Programming Environment
- Clipper
- dBase & Clones
- Advanced Revelation
- SQL
- 3COM
- Netware/ Advanced-Netware
- Vines/ Banyan

Applications

Asset Management
- Maintenance/ building/ machinery/ vehicles/ etc.

Engineering & Science
- Data Trending software

Target Market

Resource Industries
- Forestry
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Chemical
- Primary metal & mineral processing
- Petrochemical industry
- Pulp & paper industry

Service Industry
- Hospital & health clinics industry
- Public utilities (hydro/ cable/ etc.)

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges

Company Profile & Focus

Generation Systems specializes in the automation of the maintenance departments of medium to large industrial companies, government departments, and institutions. Major products are: MAPCON II, a sophisticated maintenance management package running on PCs and networks and MHEALTH, a package which replaces paper log sheets and which can graph data trends, out of tolerance conditions, etc.

The company acts as a re-seller for the packages, adding substantial value in the way of services such as needs analysis, system, definition, implementation planning and supervision, support, and training. A major part of the business is to program and implement system enhancements and extensions, and to design and program custom applications in advanced revelation DBMS and dBASE.

MAPCON is the top-rated high end maintenance management system. MHEALTH is on the leading edge of data trending technology.

The company also supplies and installs low cost systems using off the shelf software.

Specialization
Automating maintenance management function (work orders, equipment, stores, purchasing, preventive maintenance, safety, personnel).

R&D Activities
Application of maintenance management in remote and mobile locations through communications technology.

Major Clients
Edmonton Power, Interprovincial Pipeline, Unocal, City of Calgary, Millar Western Pulp, Alberta Newsprint, A T Plastics and Saskatoon Chemicals.

International Sales
Advertising and promotion of MAPCON in Britain through agent.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• MAPCON II	Maintenance management system	PC-DOS/NETWORKS	1985	300+
• MHEALTH	Data collection and trending system	PC-DOS	1988	N/A

Geo-Slope International Ltd.

#830 Ford Tower,
633 - 6 Avenue S.W.
Calgary, Alberta
T2P 2Y5

☎ 269-2002

• 266-4851

Branch Office

☐ Saskatoon, SK

Executive Officer(s)

John Krahn *C E O*

No. of Employees in Alberta	*1-6*
Firm established in	*1977*
Firm started commercial software activities in	*1977*

Contact Person John Krahn

Technical Environments

Hardware Platforms
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- C
- FORTRAN

Graphical User Interface
- Windows

Applications

Engineering & Science
- Civil engineering software
- Mining engineering software
- Geotechnical

Target Market

Professional Services
- Engineering

Company Profile & Focus

Geo-Slope International Ltd. mission is to develop and market, nationally and internationally, a comprehensive geotechnical engineering software.

The company started with one product in 1977. It was a product marketed and used through mainframe software bureaus throughout the world.

When PCs became available, the product was rewritten for the PC environment and released in 1983. Since then Geo-Slope has released three more products.

Geo-Slope now has users in about 30 countries. Presently Geo-Slope is actively developing a graphics user interface for its products and adding additional products. The new products will be useable under Microsoft WINDOWS.

Specialization
Geotechnical Engineering Software.

R&D Activities
Development of graphical user interface for engineering software.

Major Clients
60% consulting engineering companies, 15% educational institutions, 15% government agencies.

International Sales
40% Canadian, 40% USA and 20% in 30 other countries.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ PC-SLOPE	Slope stability analysis		1983	
■ PC-SEEP	Groundwater flow		1987	
■ PC-SLIN	Ground movement		1984	
■ PC-SIGMA	Stress and deformation analysis		1989	

GeoGraphix Inc.

#1500 250 - 6 Avenue S.W.
Calgary, Alberta
T2P 3H7

☎ 233-0109

• 264-1262

Head Office

Geographix Inc.
1860 Blake Street
Denver CO
80202

☎ 296-0596

• 292-1143

Executive Officer(s)

David L. Armitage *President*
Gina Armitage *Treas/Vice President*
William Wittacker II *Secretary/ Manager*

No. of Employees in Alberta	*1-6*
Firm established in	*1985*
Firm started commercial software activities in	*1985*

Contact Person John Babec

Technical Environments

Hardware Platforms
- IBM
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- AIX
- MS-DOS/PC-DOS

Programming Language
- C

Graphical User Interface
- Windows 3.0

Programming Environment
- Netware/ Advanced Netware

Add Ins
- to word processing software
- to CAD

Applications

DP & Computer Sys. Applic.
- Expert systems shells

Graphics
- Computer graphical user interfaces
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)
- Graphics tools (digital video capture & processing/ screen capture/ scanning/software

Word/ Text Processing
- Word processing

Connectivity
- LAN (local area network)

Education & Training
- Computer based training

Engineering & Science
- Engineering computational tools

Target Market

Resource Industries
- Mining
- Oil & gas exploration

Professional Services
- Engineering
- Surveying & mapping

Government & Education
- Federal government
- Provincial & state governments
- Universities & colleges
- Other educational institutions

Company Profile & Focus

Since 1985 GeoGraphix has been dedicated to the development of a PC-based package which performs geological and well information database management. Primarily aimed at the oil and gas industry, the product has matured to include mapping capabilities, seismic database management, volumetric calculations and well log analysis.

Specialization

Development of geological mapping and well information database management on PCs.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ WellBase	Network compatible relational database manager			
■ SeisMap	Geophysical data management and mapping module			
■ IsoMap	Generates 3-D surface models and contour maps			
■ Volumetric	An Isomap option with complete area and volumetric estimation facilities			
■ OLA2	A log analysis package developed jointly with Schlumberger Well Services			

Global Enterprise System Support Group

7058K Farrell Road S.E.
Calgary, Alberta
T2H 0T2

☎ 253-1281

• 252-1243

Executive Officer(s)
Simon Lee Chuy
James Enns

No. of Employees in Alberta ***7-15***
Firm established in
Firm started commercial software activities in ***1986***

Contact Person James Enns

Technical Environments

Hardware Platforms
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- BASIC
- C

Programming Environment
- Netware/ Advanced Netware
- NEXOS

Add Ins
- to accounting software

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools
- Data security/ encryption/ cryptography/ virus protection/ copy protection
- Search and retrieval software/ engines for DBMS's

Connectivity
- LAN (local area network)

Office Automation
- Project management

Miscellaneous
- Voice/ audio/ analysis/ and processing

Target Market

General Business
- General business/ public at large - all sectors

Government & Education
- Police

Company Profile & Focus

Global Enterprise System Support Group is currently developing two Beta testing police management software (project management) packages.

The company is in the early stages of developing a voice capturing system from police wiretaps and developing researching an office integration package to bring telephone, fax and computers into an integrated system.

Specialization
Enhancements to networking & connectivity and police project management.

R&D Activities
Police management software and connectivity.

International Sales
Will market products in U.S. and Europe.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• ELECTRONIC FLOW CHART		MS-PC DOS	4th quarter 1990	

H M Computer Systems Inc.

#101, 15023 - 123 Avenue
Edmonton, Alberta
T5V 1J7

☎ 451-4596

• 452-7694

Branch Office

☐ Burnaby, BC

☎ 433-5280

Executive Officer(s)

Al Muirhead *Vice President*
Blaine Harrison *President*

No. of Employees in Alberta	***16-24***
Firm established in	***1984***
Firm started commercial software activities in	***1984***

Contact Person Valerie J. Stephens

Technical Environments

Hardware Platforms
- IBM

Operating Systems
- AIX
- UNIX

Programming Language
- Accell/UNIBY

Programming Environment
- Accell
- SQL

Applications

DP & Computer Sys. Applic.
- Computer languages 4GL (fourth generation languages)
- Operating systems

Word/ Text Processing
- Word processing

Spreadsheets
- Spreadsheets

Office Automation
- Inventory control
- Purchasing
- Records/ document management

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Income tax
- FIS (financial information systems)
- Assets management
- Financial control/ planning
- Auditing applications
- Other accounting

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Manufacturing Software
- Computer Assisted Manufacturing
- Computer Integrated Manufacturing

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Automotive
- Chemical
- Clothing
- Construction & housing
- Electrical equipment
- Electronic equipment industry
- Energy equipment
- Fabricated metal industry
- Furniture
- Food products
- Health care products industry
- Industrial equipment & machinery
- Leisure products
- Primary metal & mineral processing
- Petrochemical industry
- Pharmaceutical industry
- Pulp & paper industry
- Textile/ knitting industry
- Other transportation equipment
- Wood products

Service Industry
- Distribution/ wholesale services industry

Government & Education
- Municipal governments
- School boards

Cultural Industries
- Publishing industry (books & magazines)

H M Computer Systems Inc.

Company Profile & Focus

H M Computer Systems Inc. was founded by B. C. Harrison and T. A. Muirhead, who were the previous founders and owners of Management Information Group from 1977 to 1983. They were the original authors and developers of computer application software for the following industries: manufacturing (repetitive, discrete, job-shop and chemical), wholesale distribution, municipal government (with a product known as FACTS-Financial Administrator for Counties, Towns, and School Divisions), construction/job costing, associations and organizations.

Offices are in Edmonton and Burnaby. The company has been an IBM business partner and agent since 1988.

All of H M's application software products were developed using a "state-of-the-art" 4th Generation Language (4GL), and a relational database technology. H M was one of the first software vendors in Canada to have production ready, 4GL code, for the new IBM RS/6000 product line.

Current client base includes over 75 installations in Western Canada. H M is a complete system solution supplier including: feasibility study, functional system definition, hardware selection and configuration, package and custom developed software, implementation and on-going support.

Specialization

Fourth Generation Language (Accell/UNIFY) solutions on the IBM UNIX Hardware platform RS/6000 serps (multi-user support for two - 1,000 users).

Major Clients

Alberta Lung Assoc., Alberta Society of Engineering Technologists, Alco Gas & Oil Production Ltd., Alco Railings Ltd., Bowes Publishers Ltd., Can-Cell Industries Ltd., Capital Packers Ltd., Comoco Pipe & Supply and Steel-Craft.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ WHOLESALE DISTRIBUTION		UNIX, IBM RS/6000	1989	6
■ MANUFACTURING		UNIX, IBM RS/6000	1988	12
■ MUNICIPAL GOVERNMENT (FACTS)		UNIX, IBM RS/6000	1988	4

Hagel (M W) Consulting Ltd.

#1600, 510 - 5 Street S.W.
Calgary, Alberta
T2P 3S2

☎ 266-7478

• 233-2599

Executive Officer(s)
Marvin Hagel
Sharon Hagel

No. of Employees in Alberta	*1-6*
Firm established in	*1985*
Firm started commercial software activities in	*1986*

Contact Person Marvin Hagel

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)
- TOPS
- UNIX
- XENIX

Programming Language
- C
- FORTRAN
- PASCAL

Programming Environment
- Netware/ advanced-netware
- StarLAN
- TOPS

Applications

Engineering & Science
- Hydraulic frac & reseve

Target Market

Resource Industries
- Oil & gas extraction industry

Professional Services
- Engineering

Company Profile & Focus

An Alberta company formed in 1985, M W Hagel Consulting Ltd. provides engineering services to the oil & gas industry, specializing in hydraulic fracture design and analysis, completion schools and seminars, selection support, field supervisors and general well completion design. Since 1985, M. W. Hagel Consulting Ltd. and Associates have been involved with drilling and completions of petroleum wells throughout the Western Canadian Region.

Hydraulic frac software, designed to be run on PCs and in a user friendly mode, has become a major component of their business profile. Fracture software modules have been expanded to include: single phase production, net present value, minifrac analysis, production history match and 2d and 3d frac simulators.

Software sales are currently being expanded to include a cement design simulator, drill pipe stress analysis software, and real time fracture interface.

Hagel has the expertise to develop software related to NUMERICAL SIMULATION involving finite element, finite differential analysis, stress analysis, heat transfer, fluid mechanics, multiphase flow, frac mechanics and mass transport phenomenon.

Specialization
Hydraulic fracture simulation & analysis and cement design software for PC's working under a DOS format.

R&D Activities
Finite element, finite differential analysis, stress analysis, heat transfer, fluid mechanics, multiphase flow, frac mechanics and mass transport phenomenon.

Major Clients
Esso Resources Canada Ltd., Husky Oil, Amoco Canada and International, PanCanadian Petroleum and Canadian Fracmaster - Russian Project.

International Sales
Soviet Union (through Canadian Fracmaster); Norway, France, and Australia (through associate Bruce Meyer in the USA).

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ MFRAC-II	3D Frac simulator	DOS/PC	1986	6
■ MF2D	2D Frac simulator	DOS/PC	1986	25
■ MNPV	Net present value	DOS/PC	1989	8
■ MINFRC	Mini frac analysis	DOS/PC	1988	5
■ MPROD	Production simulator	DOS/PC	1986	1

Hampson - Russell Software Services Ltd.

#510, 715 - 5 Avenue S.W.
Calgary, Alberta
T2P 2X6

☎ 266-3225

• 265-6651

Executive Officer(s)
Dan Hampson *President*
Brian Russell *Vice President*

No. of Employees in Alberta	***7-15***
Firm established in	***1987***
Firm started commercial software activities in	***1987***

Contact Person Ruth Peach

Technical Environments

Hardware Platforms
- Cray
- Convex
- Amdahl
- IBM
- DEC
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MicroVMS
- MS-DOS/PC-DOS
- MVS
- MVS-TSO
- MVS-XA
- PC-DOS (same as MS-DOS)
- UNIX
- VAX-VMS
- VMS

Programming Language
- C
- FORTRAN

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software
- Data handling tools

Marketing & Sales
- Market research

Engineering & Science
- Mathematical applications/ simulation software
- Geophysical software

Target Market

Resource Industries
- Oil & gas extraction industry
- Oil companies

Service Industry
- Seismic processing co.

Professional Services
- Geophysical consultants

High Technology
- Geophysics

Government & Education
- Universities & colleges

Company Profile & Focus

Hampson - Russell Software Services Ltd. is a Calgary-based geophysical software development company specializing in advanced seismic algorithms. The company was founded in 1987 by Dan Hampson and Brian Russell and has since expanded to a staff of 10.

Current products include AVO, an interactive amplitude vs offset analysis program, running on both PCs and workstations; GL13D, a 3-D refraction statics program which runs on mainframes from the VAX through to the CRAY; INVEST, a multiple and noise attenuation program which is also mainframe based; and most recently, STRATA, a program which performs post-stack stratigraphic analysis and trace inversion.

Specialization
Software for seismic processing, modelling and interpretation.

R&D Activities
3-D seismic inversion and modelling algorithms.

Major Clients
AMOCO, BP, Mobil, Texaco, Oryx, ARCO, Shell International, Compagnie Generale de Geophysique, PCIAC, Esso, Elf, Louisiana Land and Exploration, Norcen and Canadian Hunter.

International Sales
Participate regularly in European Assoc. of Exploration Geophysicists Conf. and Trade Show, Soc. of Exploration Geophysicists' Conf. (USA), Australian Soc. of Exploration Geophysicists Conf. Export to U.S.A. and England, France, etc.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ AVO	Amplitude vs offset analysis	DOS/PC, workstations		62
■ INVEST	Multiple & noise attenuation	"		17
■ GL13D	Refraction statics (3-D)	"		10
■ STRATA	Stratigraphic analysis	DOS/PC	Aug/90	

Hewlett-Packard (Canada) Ltd.

3030 - 3 Avenue N.E.
Calgary, Alberta
T2A 6T7

☎ 235-2400

• 272-2299

Head Office

Hewlett-Packard Company
3000 Hanover Street
Palo Alto CA

☎ 857-1501

• 857-5518

Branch Office

☐ Mississauga, ON

Executive Officer(s)

George B. Cobbe
Gordon D. McLean
Alan D. Bickell

No. of Employees in Alberta	***50-100***
Firm established in	***1961***
Firm started commercial software activities in	***1986***

Contact Person Gerhard Schmid

Technical Environments

Hardware Platforms
- HP

Operating Systems
- HP-UX

Programming Language
- C

Graphical User Interface
- X-Window

Programming Environment
- StarLAN

Applications

DP & Computer Sys. Applic.
- Data handling tools
- Search and retrieval software/ engines for DBMS's

Graphics
- Computer graphical user interfaces

Connectivity
- Data Base Management Systems

Spreadsheets
- Spreadsheets

Asset Management
- Data acquisition/ remote sensing/ etc.
- Energy management applications
- Environment related applications

Manufacturing Software
- Computer Integrated Manufacturing

Applications (cont')

- Process control
- Robotics and automation/ materials handling

Target Market

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Automotive
- Chemical
- Energy equipment
- Food products
- Industrial equipment & machinery
- Primary metal & mineral processing
- Petrochemical industry
- Pharmaceutical industry
- Pulp & paper industry
- Other transportation equipment

Service Industry
- Public utilities (hydro/ cable/ etc.)
- Rail

Professional Services
- Computer/ software specialists/ MIS department
- Engineering

High Technology
- Telecommunications

Company Profile & Focus

Hewlett-Packard (Canada) Ltd. is an international manufacturer of measurement and computation products and systems recognized for excellence in quality and support. The company's products and services are used in industry, business, engineering, science, medicine and education in approximately 100 countries. HP has 93,000 employees worldwide and had revenue of $11.9 billion in its 1989 fiscal year.

Hewlett-Packard (Canada) Ltd. was established in 1961 as a sales and service organization. The company employs over 1,355 people located in 26 offices across Canada and had revenue in its 1989 fiscal year of over $407 million.

The Canadian manufacturing division, Panacom Automation, is located in Waterloo, Ontario. The manufacturing division develops, markets and manufactures X-Window terminals for worldwide market export.

The Product Development Centre in Calgary, Alberta was established in 1986. The Centre develops, markets and produces tools for industrial automation systems for worldwide distribution. RTAP (Real-Time Applications Platform), the core of RTAP/PLUS, was first released in June 1988.

Specialization

Design and development of software tools for industrial automation applications.

International Sales

Worldwide distribution through HP sales offices, value-added businesses and system integrators. Currently have sales in Canada, USA, Spain, UK, and Switzerland.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ RTAP/PLUS	Industrial automation enabler	HP-UX RTAP-	1988	50+
■ HP-9000		RTAP/PLUS	1990	
■ RTAP	Real-time applications platform	"		
■ UIP	User interface platform	"		
■ ALARM TOOLS		"		
■ TREND TOOLS		"		
■ REPORT TOOLS		"		

Hinz Consulting Ltd.

17203 - 105 Avenue
Edmonton, Alberta
T5S 1H2

☎ 489-8880

• 484-1697

Head Office

Hinz Consulting Ltd.
410 Jessop Avenue
Saskatoon SK
S7N-2S5

☎ 373-5555

• 373-1979

Branch Offices

☐ Edmonton, AB

☐ Calgary, AB

Executive Officer(s)

Wilf Hinz, P. Eng. *President*
Ed Grimm, P. Eng. *Vice President*
R. A. (Bob) Ell, P. Eng. *Business Development*

No. of Employees in Alberta	***16-24***
Firm established in	***1971***
Firm started commercial software activities in	***1978***

Contact Person R. A. (Bob) Ell

Technical Environments

Hardware Platforms
- DEC
- HP
- IBM
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- HP-UX
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- QNX
- UNIX
- VMS

Programming Language
- Assembler
- BASIC
- C
- FORTH
- FORTRAN
- LISP
- PASCAL

Graphical User Interface
- DEC Windows
- OSF/Motif
- Presentation Manager - PM
- X-Window
- Windows

Programming Environment
- 3COM
- Netware/ Advanced-Netware
- StarLAN

Add Ins
- to dBase
- to 1-2-3
- to word processing software
- to scientific
- to CAD
- to accounting software
- to operating systems

Applications

DP & Computer Sys. Applic.
- Assemblers/ compilers/ code translators
- Data capture/ validation
- Data handling tools
- Search and retrieval software/ engines for DBMS's
- Systems utilities

Graphics
- Computer graphical user interfaces
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)
- Graphics tools (digital video capture & processing/ screen capture/ scanning/software

Applications (cont')

Communications
- Communications software
- Gateway/ communication networks
- Terminal emulation
- Voice messaging software

Connectivity
- Data Base Management Systems
- Full text databases
- LAN (local area network)
- Micro-mainframe session handlers
- Session simulators
- Standard dbms
- WAN (wide area network)
- Other/ connectivity

Spreadsheets
- Spreadsheets

Asset Management
- Data acquisition/ remote sensing/ etc.
- Energy management applications
- Environment related applications
- Maintenance/ building/ machinery/ vehicles/ etc.

Manufacturing Software
- Computer Assisted Manufacturing
- Computer Integrated Manufacturing
- Just-In-Time Software
- Material/manufacturing Resource Planning
- Process control
- Quality control
- Robotics and automation/ materials handling

Target Market

Resource Industries
- Agriculture
- Fisheries
- Forestry
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Automotive
- Chemical
- Electrical equipment
- Electronic equipment industry
- Energy equipment
- Fabricated metal industry
- Furniture
- Food products
- Industrial equipment & machinery
- Primary metal & mineral processing
- Petrochemical industry
- Pharmaceutical industry
- Pulp & paper industry
- Wood products

Professional Services
- Business consulting
- Computer/ software specialists/ MIS department
- Engineering

Hinz Consulting Ltd.

Company Profile & Focus

Hinz Consulting Ltd. is an electrical consulting firm which has served industrial clients since 1971. For the last 13 years, the company has had a significant emphasis on software based control systems, with hundreds of systems installed. Thus, in addition to the plant power distribution design normal to electrical consultants, Hinz has a full complement of engineers, technologists and computer scientists experienced in the design of PLC, instrumentation and computer based systems.

Hinz Consulting has four offices in Western Canada (Saskatoon, Edmonton, Calgary and Vancouver). From these offices the company services customers not only in Western Canada but also on a number of international projects.

All offices are growing steadily, with a full complement of technical personnel. Hinz's emphasis has been on controlled growth, avoiding "staff-up" and "staff-down" syndromes. Thus the company has been able to develop a strong experience base to offer clients, with a large number of personnel being 10 year employees.

Hinz Consulting has a sound financial basis. A number of senior employees are also shareholders, adding to the company's stability.

The company's scope of work often extends from primary distribution (power) or conceptual configuration (controls) through all phases of specifications, selection, design, installation and commissioning. Hinz may supply a turnkey system including component supply, cabinets, installation drawings, software and commissioning. If installation is part of the contract, Hinz normally subcontracts to a local electrical contractor. The company also provides the usual consultant services: preparing specifications, reviewing bids, and generating requisitions on behalf of the client.

Specialization

System studies and estimates, plant electrical systems, SCADA systems, distributed control systems, programmable control systems and computer applications.

R&D Activities

In the understanding and development of automated control systems with emphasis on system integration.

Major Clients

Cominco, INCO, Saskatchewan Power, Shell, Esso, IPL, Mobil, Chevron, Gulf, Suncor, Macmillan Bloedel, Alberta Power Ltd., Transalta Utilities Corp., Gainers, Molson's, Alberta Hospital, Kilborn, AMOCO.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*

- Complete electrical and control design for industrial and commercial projects
- Design and commissioning of PLC and DCS control systems
- Design and commissioning of SCADA systems
- Design and commissioning of computer applications
- Systems integration services

Howell Mayhew Engineering Inc.

15006 - 103 Avenue
Edmonton, Alberta
T5P 0N8

☎ 484-0476

• 484-3956

Executive Officer(s)
D. Gordon Howell P. Eng *President*
William J. Mayhew P. Eng *Vice President*

No. of Employees in Alberta	***1-6***
Firm established in	***1985***
Firm started commercial software activities in	***1985***

Contact Person D. Gordon Howell

Technical Environments

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- Turbo Pascal, Ver. 6.0

Applications

Asset Management
- Data acquisition/ remote sensing/ etc.
- Energy management applications
- Environment related applications

Engineering & Science
- Electrical engineering software
- Laboratory & instrumentation software

Target Market

Resource Industries
- Agriculture

Manufacturing & Processing Ind.
- Automotive
- Chemical
- Electrical equipment
- Energy equipment
- Food products
- Health care products industry
- Industrial equipment & machinery
- Petrochemical industry
- Pharmaceutical industry
- Pulp & paper industry

Professional Services
- Engineering

High Technology
- Laboratories

Government & Education
- Universities & colleges
- Government research organization

Company Profile & Focus

Howell Mayhew Engineering Inc. was incorporated in Alberta in 1985. The company specializes in the evaluation of new technology, particularly in energy-efficient housing and renewable energy systems.

Company projects have provided information and field performance data to assist in the development and promotion of energy efficient-housing and renewable energy systems across Canada.

Specialization

Supplying users of data acquisition systems with integrated data acquisition/management/analysis software package and providing monitoring services using.

R&D Activities

Designed, built and operates the fully-instrumented Cold Climate Demonstration House that serves as a center to conduct research on housing components as well as evaluate new technology under controlled conditions.

Major Clients

Alberta Energy, Canadian & Alberta Home Builders' Assocs., Alberta Municipal Affairs (Housing Div.), Building Envelope Engineering Ltd., Canada Mortgage & Housing Corp., Energy Mines & Resources Canada and Photron Canada Inc.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• COPILOT	Data acquisition/management /analysis software	8086/286	1988	3

Humana Computer Support Inc.

#1503, 924 - 14 Avenue S.W.
Calgary, Alberta
T2R 0N7

☎ 245-2194

• 266-7510

Executive Officer(s)
Mark Ruthenberg *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1987*
Firm started commercial software activities in	*1987*

Contact Person Mark Ruthenberg

Technical Environments

Hardware Platforms
- IBM
- PC and XT(808x types)
- 286 AT - all makes

Operating Systems
- Apple Mac (Finder/MultiFinder)
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended

Graphical User Interface
- New Wave
- Windows

Applications

Graphics
- Computer graphical user interfaces
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)
- Graphics tools (digital video capture & processing/ screen capture/ scanning/software

Word/ Text Processing
- DTP (desk top publishing)
- Word processing

Applications (cont')

Communications
- E-mail software

Connectivity
- Data Base Management Systems
- LAN (local area network)

Spreadsheets
- Spreadsheets

Office Automation
- Agenda/ calendar
- "Groupware"/ all variants
- Project management

Education & Training
- Computer based training
- Courseware

Accounting and Finance
- Integrated accounting

Target Market

General Business
- General business/ public at large - all sectors

Professional Services
- Computer/ software specialists/ MIS department

Company Profile & Focus

Humana Computer Support Inc. was founded to develop high-quality professional courseware to be used in personalized corporate user-training. In the last three years, Humana has developed over 100 courses for more than 60 software packages in MS-DOS PC, Apple Macintosh, and other graphic interface environments. Its courseware has been used to train over 20,000 users across western Canada.

The training expanded quickly, and was spun-off to Humana Training Centres Inc., so that Humana could continue to focus on courseware development. Humana develops training programs for high-end and leading-edge software suited to its clients' preferred presentation medium. Humana's courseware content can be customized to meet each client's requirements.

Humana primarily licenses its courseware to corporate clients for in-house use. Licences are also available for training organizations in the international market. Humana also writes custom courseware for software publishers and end-user organizations.

Its experienced technical writers work to make the most technical areas understandable in plain English.

Specialization
Developing and licensing its training courseware to corporate and government end-users.

Major Clients
Esso Resources, Encor Energy, Mobile Data International and Trans Canada Pipelines.

International Sales
U.S.A. and other English-speaking countries (Humana has been exhibiting in international trade shows since 1990).

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*

Contact company for current courseware catalogue.

Humana Training Centres Inc.

#550, 603 - 7 Avenue S.W.
Calgary, Alberta
T2P 2T5

☎ 262-4004

• 266-7510

Head Office
ComputerCorp System Inc.
#2140, 530 - 8 Avenue S.W.
Calgary, Alberta
T2P 3S8

☎ 294-1777

Executive Officer(s)
Rob Lloyd *President*
Pam Lloyd *V.P./Secretary*

No. of Employees in Alberta	*N/A*
Firm established in	*1988*
Firm started commercial software activities in	*1987*

Contact Person Joe Franklin

Technical Environments

Hardware Platforms
- IBM
- DEC
- 286 AT - *all makes*
- 386-486 - *all makes*
- Macintosh

Operating Systems
- AU/X
- Apple Mac (Finder/MultiFinder)
- Concurrent DOS
- OS-2/OS-2-Extended

Graphical User Interface
- Mac
- Presentation Manager - PM
- Windows

Programming Environment
- Netware/ Advanced-Netware
- TOPS
- Appleshare

Applications

Graphics
- Computer graphical user interfaces
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)
- Graphics tools (digital video capture & processing/ screen capture/ scanning/software

Word/ Text Processing
- DTP (desk top publishing)
- Word processing

Applications (cont')

Communications
- Gateway/ communication networks
- Terminal emulation
- Voice messaging software

Spreadsheets
- Spreadsheets

Education & Training
- Courseware

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)

Target Market

General Business
- General business/ public at large - all sectors

Manufacturing & Processing Ind.
- Electronic equipment industry
- Petrochemical industry

Professional Services
- Accountants
- Administrators
- Business consulting
- Legal services / lawyers
- News agencies/ journalists/ reporters

High Technology
- Computer hardware
- Computer software

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges

Company Profile & Focus

Humana Training Centres Inc. is the graphic environment's training leader in Canada. Since 1986 Humana's commitment to the Macintosh, Windows and now OS/2 has given the company a clear focus. Humana is owned by ComputerCorp System Inc.

Over the last three years Humana has provided companies with end user business application training. This has lead to consulting projects of database, systems and network designs. In the fiscal year of 1990 Humana will train over 12,000 clients in their Calgary, Edmonton, and Vancouver offices.

Humana's flexibility in training/consulting, system type, size of class, courseware customization and on-line reporting to clients is what makes company an effective total training solution.

Specialization
Consulting services for users working with graphic interface software.

R&D Activities
Spreadsheet, database development and Kiosk training.

Major Clients
Esso Resources Canada Ltd., Alberta Power, Northwest Utilities Ltd., Canadian Utilities Ltd. and TransAlta Utilities.

Notes & Comments
CESA

Hyprotech Ltd.

#400, 119 - 14 Street N.W.
Calgary, Alberta
T2N 1Z6

☎ 283-7710

📠 038-1172

• 283-4764

Branch Offices

- Santa Ana, CA
- Houston, TX

Executive Officer(s)

Tony Vyssiaukas *Principal*
Bill Svrcek *Principal*
Craig Morris *Principal*

No. of Employees in Alberta	25-49
Firm established in	1976
Firm started commercial software activities in	1976

Contact Person Tony Vyssiaukas

Technical Environments

Hardware Platforms
- IBM
- AT&T
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)
- VAX-VMS

Programming Language
- C
- OOPS - C++ & all other

Graphical User Interface
- Windows

Programming Environment
- dBase & Clones
- TOPS

Add Ins
- to dBase
- to 1-2-3
- to word processing software

Applications

DP & Computer Sys. Applic.
- CASE methods and tools (computer aided software engineering)

Graphics
- Computer graphical user interfaces
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)

Word/ Text Processing
- Specialized editors

Company Profile & Focus

Incorporated in 1976, Hyprotech Ltd. has grown to become an internationally recognized company providing specialized consulting engineering and computer software services to virtually all sectors of the energy industry. Company growth has been built on a solid foundation of *knowledgeable* and exceptionally talented engineers and computer specialists with diverse backgrounds.

Innovative thinking has been a key to the company's success. Hyprotech Ltd. took special interest in challenging the accepted domain of traditional batch-oriented programs. The company's engineers understood the frustration of repetitive calculations and the limitations of such systems. Their goals were to produce the most technically advanced and friendliest program available and to develop new generation engineering software which was technically sophisticated, yet easy to use.

In 1981, Hyprotech succeeded in developing the HYSIM (a complete and comprehensive flowsheet simulator) designed for use in the gas processing, oil refining, petrochemicals, chemicals and synthetic fuels industry. In designing this program, Hyprotech focused on key areas such as program robustness, calculation efficiency, input/output flexibility, graphics and user-friendliness. The program has been improved significantly each year since then with new features and enhancements.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• HYSIM	Comprehensive flowsheet simulator		1981	

I C L Isometrics Consulting Ltd.

#620, 206 - 7 Avenue S.W.
Calgary, Alberta
T2P 0W7

☎ 262-4882

• 289-7599

Executive Officer(s)
Stuart Hotzel *President*
David Pearson *Vice President*

No. of Employees in Alberta ***1-6***
Firm established in ***1987***
Firm started commercial software activities in ***1986***

Contact Person David Pearson

Technical Environments

Hardware Platforms
- IBM
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems
- Apple Mac (Finder/MultiFinder)
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- C
- FORTRAN

Graphical User Interface
- Presentation Manager - PM
- Windows

Programming Environment
- dBase & Clones
- Oracle
- DataEase
- Rbase, Paradox
- IDMS
- SQL
- Netware/ Advanced-Netware

Add Ins
- to word processing software
- to scientific

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools
- Search and retrieval software/ engines for DBMSs

Graphics
- Graphics tools (digital video capture & processing/ screen capture/ scanning/software

Communications
- Communications software

Connectivity
- LAN (local area network)
- Standard dbms

Spreadsheets
- Spreadsheets

Asset Management
- Environment related applications
- GIS (geographic information systems)
- Maintenance/ building/ machinery/ vehicles/ etc.

Engineering & Science
- Meteorology applications software
- Statistical applications software

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry

Service Industry
- Hospital & health clinics industry
- Marine
- Trucking

Professional Services
- Business consulting
- Computer/ software specialists/ MIS department
- Engineering
- Legal services / lawyers
- Medical offices

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

I C L Isometrics Consulting Ltd.

Company Profile & Focus

I C L Isometrics Consulting Ltd. specializes in computer solutions for the legal, medical and oil and gas community.

The following services are provided: database design and implementation (menu driven applications); custom entry screens and report products; comprehensive browse and search options; ability to import and export data for use with other programs; custom graphics and training and ongoing support.

I C L also offers full text search and retrieval allowing search on many standard word processing formats including Word Perfect, Wordstar and MS-Word. (search speeds of up to 150 pages per second).

The company also offers customization and integration of mainframe and personal computer software; implementation of full text search and retrieval systems; computer simulation and modelling; integration of computer hardware and software in single user and local area network environments.

Specialization

Software development (customized data bases, specialized programming in C and Fortran) and rewrite programs for use on PCs (mainframe to PC conversions).

Major Clients

Companies throughout Canada including Petro-Canada, Mobil, Gulf, department of Justice, Department of Public Works and Alberta Childrens' Hospital.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*

- Word processing - Word Perfect, Wordstar, CompareRite, CteRite
- Spreadsheets - Quattro Pro, Lotus 1, 2, 3, etc.
- Database - R:Base, Paradox, Data Ease, 4th Dimension
- Business graphics - Harvard Graphics, DBGraphics, Lotus Freelance Plus
- Litigation support - Summation II
- Networks - LANtastic (Peer to Peer network system)
- Prestor Hard Drive Controller

I R M Systems Inc.

#300, 840 - 6 Avenue S.W.
Calgary, Alberta
T2P 3E5

☎ 266-6369

• 265-3783

Executive Officer(s)
Dale A. Bennett *President*
Gavin R. Fick *Secretary*

No. of Employees in Alberta	*1-6*
Firm established in	*1989*
Firm started commercial software activities in	*1988*

Contact Person Dale Bennett

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- Smartware II

Graphical User Interface
- Windows

Programming Environment
- dBase & Clones
- Smartware II
- Netware/ Advanced-Netware

Add Ins
- to dBase
- to word processing software

Applications

DP & Computer Sys. Applic.
- Data handling tools

Word/ Text Processing
- DTP (desk top publishing)
- Word processing

Connectivity
- LAN (local area network)

Applications (cont')

Spreadsheets
- Spreadsheets

Office Automation
- "Groupware"/ all variants
- Inventory control
- Project management
- Records/ document management

Education & Training
- Computer based training
- Courseware

Accounting and Finance
- Billing & invoicing

Marketing & Sales
- Merchandising & direct sales
- POS (point of sale) & order entry/ order processing

Target Market

Service Industry
- Leisure/ recreation & sports
- Tourism/ hotel industry

Professional Services
- Computer/ software specialists/ MIS department

Cultural Industries
- Associations

Company Profile & Focus

I R M Systems Inc. is the focal point of several years of market research and software design. All software products are designed to assist membership-based organizations with improving their association management activities. Specific features include membership sales and retention, member skill assessment and member accreditation tracking software products.

Through I R M's experience and research with associations, the company is able to design management software which will integrate smoothly into the organization to maximize utilization and productivity. Focus on the micro computer environment and an ability to design cost effective products presents an effective solution for the price organization.

Specialization
Association management software featuring membership marketing, tracking and participation modules.

R&D Activities
Regular needs assessment surveys of association executives.

Major Clients
Certified General Accountants Assoc. of Alberta, Alberta Amateur Hockey Assoc., Palm Springs Desert Resorts Convention & Visitors Bureau and Greater Hartford Convention & Visitors Bureau.

International Sales
Concentrated on direct sales made possible via show participation in key association market places such as Chicago, Washington D.C., Toronto and Ottawa.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ MEMBERSHIP MANAGER	Association sales & management	DOS	1989	4
■ ATHLETE TRACKING SYSTEM	Skill assessment	DOS	1989	2
■ COACH TRACKING SYSTEM	Accreditation tracking	DOS	1990	2

ImaTeq Systems Corporation

#100, 3553 - 31 Street N.W.
Calgary, Alberta
T22 2K7

☎ 282-6720

• 282-1238

Executive Officer(s)
Jerry Pelletier *President*

No. of Employees in Alberta	***1-6***
Firm established in	***1989***
Firm started commercial software activities in	***1985***

Contact Person Jerry Pelletier

Technical Environments

Hardware Platforms
- Macintosh

Operating Systems
- Apple Mac (Finder, Multifinder)

Programming Language
- C
- OOPS - C++ & All otherC

Graphical User Interface
- Mac

Applications

Graphics

Education & Training
- Authoring languages
- Computer based training
- Diagnostics software
- Courseware

Target Market

Government & Education
- School boards
- Universities & colleges
- Other educational institutions

Company Profile & Focus

ImaTeq Systems Corporation develops graphically oriented computer-assisted education and training software for the Apple Macintosh.

The company's prime orientation is towards making easy-to-use, graphically-oriented software which enables users to design and use training, educational, and examination software. At the present time ImaTeq sells PuzzleMaker(TM), a program which allows the user to take apart any image and put it back together again, just like a jigsaw puzzle. The user can ask questions or demand answers before the graphic image can be re-assembled.

A future product will be Teach & Test(TM), a training/teaching/examination program encompassing graphics, word processing, sound, computer-assisted marking, and numerous other capabilities. It can be used to put together not only educational material, but also business training courses in a quick and easy manner.

ImaTeq's prime capability is an in-depth knowledge of programming on the Macintosh.

Specialization
Educational and corporate training software on the Macintosh.

R&D Activities
Graphics and image manipulation; user interface design and design of easy-to-use software.

International Sales
MacWorld Expo (San Francisco, Boston) and MacWorld magazine advertising. Most of our sales are to the United States.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ PUZZLEMAKER	Graphic image manipulation	Macintosh	1991	

Image Club Graphics Inc.

#5, 1902 - 11 Street S.E.
Calgary, Alberta
T2G 3G2

☎ 262-8008

• 261-7013

Executive Officer(s)
Greg Kolodziejzyk *C E O*
Robert Miller *V P - Operations*
Bradley E. Zumwalt *V P - Sales & Marketing*

No. of Employees in Alberta	***7-15***
Firm established in	***1984***
Firm started commercial software activities in	***1984***

Contact Person Bradley E. Zumwalt

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems
- Apple Mac (Finder/MultiFinder)
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- Windows

Graphical User Interface
- Windows

Applications

Graphics
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)
- Clip Art Images

Word/ Text Processing
- DTP (desk top publishing)
- Type faces

Communications
- CD-ROM publishing

Target Market

General Business
- General business/ public at large - all sectors

Service Industry
- Advertising & public relations industry
- Food services industry (Restaurants)

Professional Services
- Architects
- Computer/ software specialists/ MIS department

High Technology
- Computer software

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Cultural Industries
- Newspapers publishers
- Performing arts industries (theatre/ dance)
- Publishing industry (books & magazines)

Company Profile & Focus

Image Club Graphics Inc. is the largest Canadian developer and one of the world's largest developers of personal computer clip art, typefaces and utilities for desktop publishing. Image Club's mission is "to provide personal computer users with creative tools for better design". All the products offered are available for IBM-PCs and compatibles, and Macintosh. Image Club is proud of its "firsts" which include: in 1985, launching a collection of high resolution PostScript clip art; in 1988, marketing clip art on CD ROM; in 1989, utilize "vendor technology" wherein the customer purchases the entire font and clip art library on one CD ROM, paying only for the files they desire. The technology is now licensed to major corporations such as NEC and AGFA Compugraphic.

Specialization
Providing useful and efficient add-ons and utilities to the desktop publishing markets on the Mac, PC, and CD-ROM.

R&D Activities
Pay-as-you-go access on CD-ROM.

International Sales
Wide international distribution via foreign distributors in all European countries and Australia.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ DigitArt	Clip Art	Mac/PC Windows	1986	
■ Typeface Library	Fonts	Mac/PC Windows	1988	
■ ArtRoom CD-ROM	Clip Art	Mac/PC Windows	1988	
■ DarkRoom	Clip photography	Mac	1988	
■ LetterPress	Fonts	Mac/PC Windows	1988	
■ Evolution	Utility	Mac	1990	

Info-Eze Inc.

5703 - 89 Avenue
Edmonton, Alberta
T6B 0M8

☎ 466-5939

• 466-5939

Executive Officer(s)
Gary Gunn *President*

No. of Employees in Alberta	***1-6***
Firm established in	***1985***
Firm started commercial software activities in	***1985***

Contact Person Gary W. Gunn

Technical Environments

Operating Systems
- AIX
- MS-DOS/PC-DOS
- OS-MVS
- PC-DOS (same as MS-DOS)
- UNIX
- XENIX

Programming Language
- C
- COBOL
- FORTRAN
- PL/1
- Adabas/Natural

Graphical User Interface
- X-Window

Programming Environment
- CASE
- dBase & Clones
- Oracle
- Focus, ADABAS
- Pro-C, Natural
- AI & expert system shell
- CICS
- SQL

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software
- Search and retrieval software/ engines for DBMSs

Graphics
- Graphics tools (digital video capture & processing/ screen capture/ scanning/software
- Multimedia capture & re

Communications
- Gateway/ communication networks

Office Automation
- Agenda/ calendar
- Correspondence/ administrative document tracking
- Human resources management
- Image-based document management
- MIS management information systems
- Records/ document management

Education & Training
- Computer based training
- Courseware

Miscellaneous
- Interative motion video

Target Market

Professional Services
- Business consulting
- Computer/ software specialists/ MIS department
- Legal services / lawyers
- News agencies/ journalists/ reporters
- Medical offices

Company Profile & Focus

Info-Eze Inc. was established in 1985 and has three areas of services and products: consulting, product research and development and computer product. Info-Eze has the capability for database administration, data modelling, strategic data planning and project implementation.

Info-Eze Inc. provides consulting and training services for IBM mainframes, XENIX, UNIX, VAX, office automation, data modelling, and application development.

Specialization
DVI, Interaction Motion Video and application generators.

R&D Activities
Systems integration.

Major Clients
Alberta Government.

Notes & Comments
Member of Chamber of Commerce (as of Sept. 1990).

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ I.E. VIDEO	Interactive motion video	DOS	1990	
■ IEGRMS	Graphical record management	DOS	1990	
■ Office Portfolio	Office automation	XENIX	1990	2
■ Consulting Services		DOS, XENIX, UNIX, CMS, MVS	1985	30
■ Expert Systems Engineering		DOS, XENIX, UNIX	1990/91	

Integrated Systems Applications Corp.

#835, 10040 - 104 Street
Edmonton, Alberta
T5J 0Z2

☎ 420-8081

• 420-3426

Branch Offices

☐ Ottawa, ON

☎ 787-3820

☐ Calgary, AB

☎ 265-0535

Executive Officer(s)

Grant Lakeman *President*
Elizabeth Lakeman *Vice President*

No. of Employees in Alberta ***16-24***
Firm established in ***1987***
Firm started commercial software activities in ***1987***

Contact Person Grant Lakeman

Technical Environments

Hardware Platforms

- Amdahl
- CDC
- IBM
- AT&T
- NCR
- Prime
- Pyramid
- SUN
- Apollo
- Data General
- DEC
- HP
- MIPS
- NEXT
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Amiga
- Atari
- Macintosh
- Other Apple
- Other Commodores except PCs

Operating Systems

- AIX
- Apple Mac (finder/MultiFinder)
- Apple DOS 3.3
- BASIC-2
- Concurrent DOS
- CP-M
- CP-M-80
- CP-M-86
- HP-UX
- Micro-RSX
- MicroVMS
- MS-DOS/PC-DOS
- MULTICS
- MVS
- MVS-SP
- MVS-TSO
- MVS-XA
- OS-2/OS-2-Extended
- OS-MVS
- OS-VMS
- OS-VS
- PC-DOS (same as MS-DOS)
- PICK
- RSX
- RT-11
- Sun-OS
- TOPS
- QNX
- ULTRIX
- UNIX
- XENIX
- VAX-VMS
- VMS

Technical Environments (cont')

Programming Language

- ADA
- ALGOL
- APL
- Assembler
- BASIC
- C
- COBOL
- FORTH
- FORTRAN
- LISP
- LOGO
- Modula-2
- OOPS - C++ & all other
- PASCAL
- PL/1
- Prolog
- RPG
- SQL, Postscript

Graphical User Interface

- Amiga - Intuition
- DEC Windows
- DeskMate
- Display Postscript
- GEM
- Generic - PHIG
- Generic - HOOPS
- Mac
- NextStep
- NEWS
- Open Look
- OSF/Motif
- Presentation Manager - PM
- X-Window
- Windows

Programming Environment

- CASE
- Clipper
- dBase & Clones
- Oracle
- PowerHouse
- SyBase
- AI & expert system shell
- DB2
- CICS
- IDMS
- SQL
- 3COM
- Netware/ Advanced-Netware
- StarLAN
- TOPS
- Vines/ Banyan
- TCPIP

Add Ins

- to dBase
- to 1-2-3
- to word processing software
- to scientific
- to CAD
- to accounting software
- to operating systems

Integrated Systems Applications Corp.

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software
- Assemblers/ compilers/ code translators
- CASE methods and tools (computer aided software engineering)
- Data capture/ validation
- Data handling tools
- Data security/ encryption/ cryptography/ virus protection/ copy protection
- Expert systems shells
- Systems utilities

Connectivity
- LAN (local area network)
- WAN (wide area network)
- Other/ connectivity

Education & Training
- Computer based training
- Diagnostics software
- Courseware

Accounting and Finance
- Integrated accounting
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Assets management
- Specialized business ap

Target Market

Asset Management
- Energy management applications
- Environment related applications
- GIS (geographic information systems)
- Maintenance/ building/ machinery/ vehicles/ etc.

General Business
- General business/ public at large - all sectors

Resource Industries
- Agriculture
- Fisheries
- Forestry
- Mining
- Oil & gas extraction industry

Service Industry
- Public utilities (hydro/ cable/ etc.)

Professional Services
- Business consulting
- Computer/ software specialists/ MIS department
- Surveying & mapping

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Company Profile & Focus

Integrated Systems Applications Corporation (ISAC) is a Western Canadian company with its head office in Edmonton. It has branch offices in Ottawa and Calgary and will be expanding to Vancouver in 1991. ISAC's revenue has doubled every year since incorporation.

ISAC provides its clientele with project and systems management, application definition and design, application development, and in-house or on-site training. It is possible for ISAC to provide these services through its extensive knowledge of major operating systems, databases, languages, graphical interfaces, and network topologies.

ISAC is Edmonton's largest authorized SUN Microsystems reseller. This enables the company to optimize their knowledge of Unix and Unix training, system administration and networking, and third party software that is SUN compatible.

Specialization
Systems integration, development; consulting in large networks, UNIX, Data Base, imaging and mapping.

R&D Activities
High capacity networks and imaging in the work place.

Major Clients
Canadian Utilities, Frontec Logistics Corp., Government of Canada, DND, DOD, Government of Alberta, City of Edmonton, City of Calgary, Trans Alta Utilities and Bell Northern Research.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ SUN MICROSYSTEMS		SUN/OS		
■ SCO UNIX		"		
■ INTEGRAPH MICROSTATION		"		
■ PRECISE REVIEW IMAGING		"		
■ SILICON GRAPHICS		"		
■ NETWORK PRODUCTS		"		

Inter-Soft Systems Ltd.

#25, 6020 - 2 Street S.E.
Calgary, Alberta
T2H 2L8

☎ 255-2022

• 259-2042

Executive Officer(s)
Jim Burney *President*
Shabir Merali *Vice President*

No. of Employees in Alberta	***7-15***
Firm established in	***1984***
Firm started commercial software activities in	***1985***

Contact Person Jim Burney

Technical Environments

Operating Systems
- AIX
- AU/X
- ULTRIX
- UNIX
- XENIX

Programming Language
- C
- COBOL

Graphical User Interface
- Windows

Applications

Office Automation
- MIS management information systems
- Hotel management

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll

Marketing & Sales
- POS (point of sale) & order entry/ order processing
- Hotel marketing

Target Market

Service Industry
- Food services industry (restaurants)
- Tourism/ hotel industry

Professional Services
- Business consulting
- Computer/ software specialists/ MIS department

High Technology
- Computer software

Company Profile & Focus

Inter-Soft Systems Ltd. and its wholly-owned subsidiary company, Datrek, were incorporated in 1984. The companies were set up for conducting research and development of novel and sophisticated software turnkey systems for the hospitality industry. Inter-Soft pioneered the development of inexpensive, hardware independent, integrated, multiuser, UNIX-based expert systems for the hotel industry. The software packages were the result of extensive research and development by computer professionals with over 72 years of experience in the hospitality industry. COMFORT and PC-REGISTER are the most widely used hotel management systems in Alberta and are also used by hotels in NWT, Saskatchewan, Manitoba, Ontario, Bermuda and the United States. Inter-Soft firmly believes that one aspect of improving operations in a hotel is by using cost effective, sophisticated, yet simple systems to achieve: improved guest services, expanded internal controls, reduced paperwork and increased time to be a host. Inter-Soft is dedicated to producing such systems to meet these challenges.

Specialization
Software systems for the hospitality (hotels/restaurant) industry.

R&D Activities
Expert systems for the hospitality industry.

Major Clients
Trusthouse Forte, Travelodge, Best Western, York-Hanover and Scarf Hotels.

International Sales
Representatives in Bermuda and Barbados. Currently export to Bermuda, Barbados and the U S A.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ COMFORT	Computerized front office and reservation technology	UNIX/ XENIX	1987	25
■ PC-REGISTER	Small hotel management system	UNIX/XENIX	1990	6
■ REALWORLD	Accounting for hotels	UNIX/XENIX	1988	20
■ F & B INTERFACE	Interface to F & B systems	UNIX/XENIX	1989	1
■ CA INTERFACE	Call accounting interface	UNIX/XENIX	1989	3

Intera Information Technologies Corp.

#2500, 101 - 6 Avenue S.W.
Calgary, Alberta
T2P 3P4

☎ 266-0900

⌟ 038-2453

• 265-0499

Branch Offices

Henley-on-Thames, UK

Nepean, ON

☎ 226-5442

Executive Officer(s)

B. L. Bullock *President & C E O*
R. S. Woodward *VP, CFO & Sec/Treas*

No. of Employees in Alberta	***100 Plus***
Firm established in	***1974***
Firm started commercial software activities in	***1983***

Contact Person E. B. Finkenaur

Technical Environments

Hardware Platforms
- DEC
- Custom 68022 Multi-proc

Operating Systems
- RSX
- Proprietary

Programming Language
- C

Graphical User Interface
- Proprietary

Programming Environment
- CASE

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools

Graphics
- Computer graphical user interfaces

Applications (cont')

Asset Management
- Data acquisition/ remote sensing/ etc.
- Environment related applications
- GIS (geographic information systems)

Engineering & Science
- Ice reconnaissance

Target Market

Resource Industries
- Oil & gas extraction industry

Service Industry
- Environmental services
- Marine
- Arctic transportation

Professional Services
- Surveying & mapping

High Technology
- Defence & aerospace

Government & Education
- Federal government

Company Profile & Focus

Intera Information Technologies Corporation provides information solutions to its worldwide customers through the collection, processing and interpretation of data. Intera is a leader in providing these products and services through its two principal business segments, mapping and reconnaissance, and petroleum and resource management. Intera ECL Petroleum Technologies (Intera ECL), Intera's business unit based in the United Kingdom, supplies petroleum software, exploration data products and consulting services to the petroleum industry. The business units in Canada, Intera Kenting and Intera Technologies, specialize in supplying data products such as radar image maps from proprietary star systems, magnetic maps from airborne geophysical equipment and infrared photographic products from aerial survey systems. Depending upon customer requirements, these data products are either sold directly or processed further and interpreted using proprietary software. Increasingly, Intera's products are sold for use in geographic information systems (GIS).

Specialization

Mapping and geographical information systems and petroleum exploration and production products and services.

R&D Activities

Designing and integrating of airborne remote sensing and instrumentation systems; petroleum exploration and production software development.

Major Clients

Petroleum and resource companies; agencies such as space agencies, the U.N., World Bank, armed forces, etc., and national and local governments worldwide.

International Sales

Intera markets its products and services in 85 countries through a direct sales force with support from local agents.

Notes & Comments

Utilize case tools, meet IEEE ASCII DOD2167 standards.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ STAR-VUE	Ice reconnaissance	RSX 11M+/DEC PDP11 83	1989	13
■ *ECLIPSE Suite	Reservoir engineering	Multiple	1983	161
■ DMU 1000	Imbedded system for high speed data acquisition, storage, and telemetry control	Custom 68020 multi-processor	1990	1

*Non-Alberta based development.

International Software Systems Inc.

#650, 202 - 6 Avenue S.W.
Calgary, Alberta
T2P 2R9

☎ 233-2520

• 234-8583

Executive Officer(s)
Donald G. Chapman *President*
R. Craig Bowyer *Secretary*

No. of Employees in Alberta	***16-24***
Firm established in	***1989***
Firm started commercial software activities in	***1990***

Contact Person Donald G. Chapman

Technical Environments

Hardware Platforms
- Sun
- 386 486 - all makes

Operating Systems
- PC-DOS (same as MS-DOS)
- UNIX

Programming Language
- C
- LISP

Graphical User Interface
- AutoCAD

Add Ins
- to CAD

Applications

Graphics
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)

Engineering & Science
- CAE (computer aided engineering)
- Electrical engineering software
- Engineering computational tools
- Industrial engineering

Target Market

Resource Industries
- Oil & gas extraction industry
- All piping applications

Manufacturing & Processing Ind.
- Chemical
- Food products
- Petrochemical industry
- Pharmaceutical industry
- Pulp & paper industry

Professional Services
- Engineering

Government & Education
- Universities & colleges
- Government retraining centre

International Software Systems Inc.

Company Profile & Focus

International Software Systems Inc. (ISS) develops and markets a series of computer software programs, known as CADPIPE, for the architectural, engineering and construction industryies.

The CADPIPE products were developed by piping engineers to automate and reduce the labour-intensive plant design activities. The first four products, CADPIPE ORTHO, CADPIPE ISO, CADPIPE P&ID and CADPIPE FORMS were announced and released in June, 1987. The "Electrical" package was released in June, 1989 and the "Structural" package in the fall of 1990 along with a new release of the CADPIPE series operating on the Sun workstation. The CADPIPE series of piping design packages, along with Electrical and Structural form the major part of a full plant design system.

Products presently run on IBM-PC 386 or compatible, using AutoCAD as the base graphics driver, (that is, the AutoCAD-related ISS software manipulates the drawing and customizing capabilities of AutoCAD to produce drawings complete with materials information). All the software is menu-driven and makes extensive use of database tables that contain the dimensions of piping components.

ISS is proceeding to develop fully integrated CAD/CAE software offering complete plant design solutions in the following disciplines: piping, mechanical, structural, electrical, civil, instrumentation and project engineering. The CADPIPE software will cover all aspects of plant design from concept through design, construction, startup, operation and retrofitting once the plant is in production.

Specialization

Development and distribution of CADPIPE series software used with AutoCAD; supplying CADPIPE packages, interfaces to stress analysis Trifex & Caesar.

R&D Activities

Concentrates on existing product enhancement, addition of new products, e.g. Hydraulics, 3D Design, stress analysis interfaces foreign data bases.

Major Clients

Amoco, ICI, Jacobs Engineering, JGC Japan, Esso Chemical, Kilborn Engineering and Fortune 500 companies around the world.

International Sales

Sell through a series of 103 dealer-distributors in 44 countries; to date, have over 7,000 packages in use at over 1,000 sites. Leads are generated by advertising, dealer-sales calls and trade shows in USA, Europe, Asia.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ CADPIPE Iso		DOS, UNIX	1987	
■ CADPIPE Ortho		DOS, UNIX	1987	
■ CADPIPE Plus		DOS, UNIX	1987	
■ CADPIPE Structural		DOS	1991	
■ CADPIPE Electrical		DOS, UNIX	1987	
■ CADPIPE Forms		DOS, UNIX	1987	
■ CADPIPE P&ID		DOS, UNIX	1987	

Itres Research Ltd.

#110, 6815 - 8 Street N.E.
Calgary, Alberta
T2E 7H7

☎ 274-7440

295-3570

Executive Officer(s)
Clifford D. Anger *President*
Wayne M. Johnson *Vice President*
Stephen K. Babey *Head - Systems Eng.*

No. of Employees in Alberta	***16-24***
Firm established in	***1979***
Firm started commercial software activities in	***N/A***

Contact Person Tyler A. Ivanco

Technical Environments

Hardware Platforms
- Sequent
- Apollo
- DEC
- Silicon Graphics
- UNIX 4.2 32016
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Atari

Operating Systems
- CP-M
- MS-DOS/PC-DOS
- OS-9
- PC-DOS (same as MS-DOS)
- RT-11
- Sun-OS
- TOPS
- UCSD-p-System
- UNIX
- XENIX
- VAX-VMS
- DYNIX

Programming Language
- ALGOL
- Assembler
- BASIC
- C
- FORTH
- FORTRAN
- LISP
- PASCAL
- PCI Easi/Pace

Graphical User Interface
- GEM
- NEWS

Programming Environment
- MS-DOS
- UNIX

Applications

DP & Computer Sys. Applic.
- Assemblers/ compilers/ code translators

Graphics
- Computer graphical user interfaces

Communications
- Gateway/ communication networks

Connectivity
- LAN (local area network)

Education & Training
- Authoring languages

Asset Management
- GIS (geographic information systems)

Engineering & Science
- Agricultural engineering software
- Laboratory & instrumentation software

Target Market

Resource Industries
- Agriculture
- Fisheries
- Forestry
- Mining
- Oil & gas extraction industry
- Environmental

Manufacturing & Processing Ind.
- Electrical equipment

Professional Services
- Engineering
- Optoelectronics

High Technology
- Computer hardware
- Computer software
- Defence & aerospace
- Microelectronics

Government & Education
- Federal government
- Provincial & state governments
- Universities & colleges
- R & D institutes

Itres Research Ltd.

Company Profile & Focus

Itres Research Limited is a private corporation which has been developing high quality electro-optical instruments for the scientific and remote sensing communities for 11 years. The fully Canadian-owned company employs 20 people. It conducts research and development in applications of charge coupled devices for cameras and imaging systems which operate in visible light, ultraviolet or near infrared ranges. Itres has special expertise in digital electronic camera systems and charge coupled device (CCD) technology. Applications include remote sensing, x-ray detection, ultraviolet, infrared and low light level imaging and machine vision.

Itres Research was incorporated in Alberta in 1979. Two of its founding shareholders, Clifford Anger and Stephen Babey, were involved with The University of Calgary Physics Department in the development of scientific imaging instruments. It was perceived that the technology had commercially viable applications and in 1983 Anger and Babey took responsibility for the company in order to pursue these opportunities.

Foreseeing a market demand for products based on its technology, the company expanded its operations to include manufacturing. Since then, Itres Research has created a market niche for technologically advanced instruments in the space and remote sensing fields. Cont' advancements in Itres' innovative technology have resulted in the commercial production of the CASI (Compact Airborne Spectrographic Imager).

The CASI has become the company's most marketable product, with applications ranging from agriculture, forestry, and land use, to oceanographic laboratory studies, and environmental impact studies. In 1990, CASI missions by major customers of Itres, totalled 31. Missions took place over Europe, the Caribbean, and North America. That year, Itres Instruments, a wholly-owned subsidiary of Itres Research, was formed to handle the production and marketing of the CASI.

Itres technical staff are highly skilled engineers with diverse and complementary capabilities and backgrounds. Staff members have experience in analog and digital design. They also possess production experience with space and astronomical systems. In addition, Itres has extensive experience in programming using both high and low level languages. The Itres staff of technicians, scientists, engineers, the marketing team and support staff have been chosen for their individual talents, expertise, and abilities to work independently. They provide a level of dedication and commitment to the ideals of the company which lie at the heart of what it has achieved.

Specialization

Design and manufacture of electro-optical instrumentation. Main product, CASI, is the only programmable Compact Airborne Spectrographic Imager available.

R&D Activities

Spectrographic optics; solid state imagers; programmable spectrographic imagers; electro-optics; digital/analog electronics.

Major Clients

Current or potential work performed for government, industry, and other clients.

International Sales

Recently established representatives in Tokyo, Japan and Seoul, Korea adding to the marketing network in Canada, the USA, and Latin America.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ CASI	Compact Airborne Spectrographic Imager			
■ Charged Coupled Device Technology				
■ Star-Vue Recorder Interface				
■ Image Correction Software				

J D A Software Services Ltd.

#210, 7220 Fisher Street S.E.
Calgary, Alberta
T2H 2H8

☎ 255-9317

• 252-9605

Branch Office

☐ Toronto, ON

Executive Officer(s)

Douglas G. Marlin *President*
Don W. Thompson *V P - Marketing*

No. of Employees in Alberta	***25-49***
Firm established in	***1979***
Firm started commercial software activities in	***1979***

Contact Person Douglas Marlin

Technical Environments

Hardware Platforms
- IBM

Operating Systems
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- OS-400

Programming Language
- RPG
- Clarion

Programming Environment
- Clarion

Applications

Office Automation
- Inventory control

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Assets management

Marketing & Sales
- Material/ stock management
- Merchandising & direct sales
- POS (point of sale) & order entry/ order processing

Target Market

Service Industry
- Retail trade
- Courier/taxi

Company Profile & Focus

Information was not provided.

Jonas & Erickson Software Technology Inc.

#110, 17010 - 103 Avenue
Edmonton, Alberta
T5S 1K7

☎ 484-3353

Branch Offices

☐ Calgary, AB

☎ 248-0551

☐ Vancouver, BC

Executive Officer(s)

Bob Garbutt *President*
Phil Landow *Reg. V P - Canada*

No. of Employees in Alberta	*7-15*
Firm established in	*1977*
Firm started commercial software activities in	*1972*

Contact Person Matt Debruyn

Technical Environments

Hardware Platforms
- AT&T
- Data General
- DEC
- HP
- IBM
- NCR
- Prime

Operating Systems
- AIX
- HP-UX
- ULTRIX
- UNIX
- XENIX

Programming Language
- BASIC
- C
- Idol IV

Programming Environment
- Idol IV
- THOROUGHBRED

Add Ins
- to 1-2-3
- to word processing software

Applications

Word/ Text Processing
- Word processing

Communications
- Terminal emulation

Office Automation
- Agenda/ calendar
- Inventory control
- Purchasing
- Uniplex

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll

Marketing & Sales
- Material/ stock management
- POS (point of sale) & order entry/ order processing

Asset Management
- Energy management applications

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Forestry
- Mining

Manufacturing & Processing Ind.
- Construction & housing

Service Industry
- Distribution/ wholesale services industry
- Tourism/ hotel industry
- Property management

Professional Services
- Accountants

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments

Company Profile & Focus

Jonas and Erickson, which is 72% Canadian-owned, was incorporated in 1977. Software and sales involve customers who represent 60 of the top 200 contractors in Canada. The company, with 350 employees in 18 branches in North America and annual revenues of over $50 million, is a prominent supplier of property management systems for job cost, hotels and wholesale distribution.

Specialization

Jobcost, property management, hotel management, wholesale distribution systems.

International Sales

Participation in industry specific trade shows, export to the USA.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
● JOBCOST		XENIX/UNIX	1972	1400
● PROPERTY MANAGEMENT		XENIX/UNIX	1975	400
● HOTEL MANAGEMENT		XENIX/UNIX	1986	300
● DISTRIBUTION		XENIX/UNIX	1990	5

Jones Agricomp Services Ltd.

#169, 6815 - 8 Street N.E.
Calgary, Alberta
T2E 7H7

☎ 295-2605

295-0386

Executive Officer(s)
Keith L. Jones *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1987*
Firm started commercial software activities in	*1983*

Contact Person Keith Jones

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - *all makes*

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- BASIC
- C

Programming Environment
- dBase & Clones

Add Ins
- to dBase
- to 1-2-3
- to accounting software

Applications

Education & Training
- Computer based training

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- FIS (financial information systems)
- Financial control/ planning
- Property evaluation/ assessment

Marketing & Sales
- Material/ stock management

Asset Management
- Maintenance/ building/ machinery/ vehicles/ etc.

Target Market

Resource Industries
- Agriculture

Service Industry
- Banking & financial institutions

Professional Services
- Business consulting

Government & Education
- Other educational institutions

Company Profile & Focus

Jones Agricomp Services was established in 1983 to deliver computer technology and services to Western Canadian farms, ranches and agribusinesses. In 1987, the firm was incorporated and established its office in Calgary.

In addition to software marketing and distribution, the firm is involved in market research and subsequent software design for the agricultural vertical market. In 1985, the company released the Brisco Beef Herd Management System, and was responsible for the development and production of the user's manual, marketing, sales, distribution and service. The firm is extensively involved in end user training, and uses computer-based training, computer assisted learning and remote support techniques to train farmers in rural areas. The firm specializes in farm management tools and training, and also has a network of 17 dealers and agents across Canada.

Jones Agricomp Services Ltd. is an established veteran of the agricultural computing industry, and is a founding member of the Canadian Association of Agricultural Computing.

Specialization
Agricultural software for farm and agribusiness management, particularly financial management.

Major Clients
Over 350 farms and ranches in Western Canada, and other companies with agricultural interests such as Royal Bank of Canada, Alberta Agriculture, Alberta Genetics Inc.

Notes & Comments
Founding member of Canadian Association of Agricultural Computing.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ AGRICULTURAL PLANNING SYSTEM (APS)		MS/DOS	1989	78
■ HOMESTEAD FARM MANAGEMENT SYSTEM		MS/DOS	1981	872
■ BRISCO BEEF HERD MANAGEMENT SYSTEM		MS/DOS	1986	47
■ FARM BUREAU ACCOUNTING		MS/DOS	1987	43

K C Woods & Associates Ltd.

1215 Lansdowne Avenue S.W.
Calgary, Alberta
T2S 1A4

☎ 243-9558

Executive Officer(s)
Kevin Woods *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1985*
Firm started commercial software activities in	*1989*

Contact Person Kevin Woods

Technical Environments

Hardware Platforms
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- BASIC
- Prolog

Graphical User Interface
- Windows

Programming Environment
- Clipper
- dBase & Clones

Add Ins
- to dBase

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Systems utilities

Word/ Text Processing
- Word processing

Miscellaneous
- Crisis management

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Chemical
- Pulp & paper industry

Service Industry
- Environmental services
- Public utilities (hydro/ cable/ etc.)
- Air
- Marine
- Rail
- Trucking

Professional Services
- Crisis managers

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments

Company Profile & Focus

K C Woods & Associates Ltd. have had AI proposals adopted by the Province of Alberta and Emergency Planning Canada relating to industrial/environmental crisis management. The company is focusing on corporate crisis management, consulting and software development and sales.

Company software is readily tailored to any or all of the following corporate risks/asset protection needs: physical security planning; executive security; environmental crises; medical aid situations; chemical spills; toxic gas release. Systems are tailored to integrate procedures, personal data, mapping/location finding and incident management/control features.

Specialization
Integration crisis management methodologies and software.

R&D Activities
Risk evaluation and development of crisis management alternatives.

Major Clients
Petro Canada, Bow Valley Industries, Shell Canada, Canada Post Corp.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ CAN-PLAN	Crisis management software	MS-DOS	1989	

Kaydex Systems Ltd.

3423 - 82 Street
Edmonton, Alberta
T6K 0G7

☎ 462-0236

Executive Officer(s)
Usha Katyal *Exec. Vice Presiden*
Suresh Katyal *President*

No. of Employees in Alberta ***1-6***
Firm established in ***1983***
Firm started commercial software activities in ***1984***

Contact Person Usha Katyal

Technical Environments

Operating Systems
- MS-DOS/PC-DOS
- MVS
- PC-DOS (same as MS-DOS)
- VMS

Programming Language
- BASIC
- C
- COBOL
- FORTRAN
- PASCAL
- PL/1
- RPG

Programming Environment
- Clipper
- dBase & Clones
- Oracle
- PowerHouse
- CICS
- IDMS
- SQL

Applications

DP & Computer Sys. Applic.
Office Automation
- Human resources management
- MIS management information systems
- Project management

Education & Training
- Computer based training
- Courseware
- Personnel policies cret

Accounting and Finance
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- FIS (financial information systems)
- Financial control/ planning

Target Market

General Business
- General business/ public at large - all sectors

Manufacturing & Processing Ind.
- Automotive
- Clothing
- Construction & housing
- Electronic equipment industry
- Furniture
- Food products
- Health care products industry
- Industrial equipment & machinery
- Petrochemical industry
- Pharmaceutical industry
- Pulp & paper industry
- Textile/ knitting industry
- Other transportation equipment

Service Industry
- Banking & financial institutions
- Brokerage industry
- Distribution/ wholesale services industry
- Hospital & health clinics industry
- Insurance
- Leasing
- Real estate
- Public utilities (hydro/ cable/ etc.)
- Retail trade
- Tourism/ hotel industry

Professional Services
- Business consulting
- Computer/ software specialists/ MIS department

High Technology
- Computer software

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Kaydex Systems Ltd.

Company Profile & Focus

Kaydex Systems Ltd. is an Alberta-based information management service company. The company was started in 1983 and provides information management consulting services in both public and private sector. Kaydex Systems has a broad spectrum of experience including both governmental and private as well as educational application areas. Kaydex Systems specializes in on-line information, financial and human resource systems in IBM mainframe/micro environments.

Kaydex Systems' recent R & D activities include a micro-based software that asks all the key questions, provides current personnel expertise, then writes policies tailored to any company's requirements. This software can create a complete employee handbook containing personnel policies of any small or large company.

Kaydex Systems' prior work consist of projects such as: implementation of major general ledger and information expert systems for the Edmonton Public School, reception/quality assurance for financial reporting and control systems for Alberta Transportation and Utilities; human resources systems major study for Edmonton Public School, information requirement study for patient room care and claims for Dr. Daniel Professional Corporation. Currently our consultants are involved in developing a hedging and expense tracking system of all Alberta offices in various foreign countries for the Alberta department of Federal and Intergovernmental Affairs (FIGA).

Specialization

Developing various micro-based software and training facilities; conducting feasibility studies.

R&D Activities

Consists of a micro-based software that asks the key questions, provide current personnel expertise, then writes policies tailored to any company's requirements. Software helps clients decide on answers according to industry law.

Major Clients

Edmonton Public School Board, Alberta Transportation and Utilities, various other Alberta Goverrnent departments and agencies.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*

Company consultants possess extensive experience in the data processing industry, and specialize in the key areas of: financial systems, structured analysis, business planning/modelling (data modelling), cost/benefit analysis, systems development (IDMS, DB2, Adabase), package evaluation/search for company needs, executive training, personnel policy development addressing critical employment issues as per client needs, micro computer software training, documentation (procedure manuals), systems documentation (technical), and supporting materials.

Products offered:

- Personnel/Payroll policy creation software
- Software to teach foreign languages i.e... Chinese, etc.
- Software to teach kindergarten & day care children the basic English language and math skills.
- Self training video-courses, such as WordPerfect, Lotus 1-2-3, EXEL, MS-DOS, Microcomputer concepts, dBase IV, Microsoft Word, Project Management.

Keith Hamilton Computer Consulting Ltd.

#900, 840 - 7 Avenue S.W.
Calgary, Alberta
T2P 3G2

☎ 269-6520

• 266-4855

Executive Officer(s)
Keith A. Hamilton *President*
Steven R. Hamilton *General Manager*

No. of Employees in Alberta ***1-6***
Firm established in ***1986***
Firm started commercial software activities in ***1985***

Contact Person Keith Hamilton

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- CP-M-80
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- PC-DOS (same as MS-DOS)

Programming Language
- Smartware

Graphical User Interface
- Smartware

Programming Environment
- Smartware

Applications

Spreadsheets
- Spreadsheets

Office Automation
- Inventory control
- Purchasing

Education & Training
- Computer based training
- Courseware

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- Income tax

Target Market

General Business
- General Business/ Public At Large - All Sectors

Service Industry
- Freight management

Professional Services
- Accountants
- Business Consulting

Government & Education
- Municipal Governments

Cultural Industries
- Cult. establ./ perf. arts/ etc.
- Performing arts industries (theatre/ dance)

Company Profile & Focus

Information was not provided.

Kelman Seismic Processing Inc.

#200, 635 - 6 Avenue S.W.
Calgary, Alberta
T2P 0T5

☎ 262-5220

263-1518

Executive Officer(s)
Garry Kelman *President*
Gordon Dyck *Marketing Manager*
Brian Link *Processing Manager*

No. of Employees in Alberta	***25-49***
Firm established in	***1982***
Firm started commercial software activities in	***1988***

Contact Person Brian Link

Technical Environments

Hardware Platforms
- Convex
- Elxsi
- Sun

Operating Systems
- UNIX
- Embos

Programming Language
- C
- FORTRAN

Applications

Engineering & Science
- Geophysical data proces

Target Market

Resource Industries
- Oil & gas exploration

Company Profile & Focus

Kelman Seismic Processing Inc. was established in 1982. The company's principle business is that of providing geophysical data processing services to the oil industry. Input is raw seismic field records and output is a two (or three)-dimensional cross section representing sedimentary basin characteristics. From this information, oil company geophysicists and geologists determine well locations for drilling. The company began by purchasing old hardware and leasing an existing software package.

In 1985, Kelman bought a fourth generation computer (ELXSI 6400) and has significantly expanded its hardware capabilities. The company has written their own geophysical software package for both 2D and 3D data sets. They have a network of eight Sun workstations which are connected to the ELXSI via ethernet for doing program development and interactive applications. Growth and research and development has remained reasonably steady through some very difficult years in the oil industry. Helman's clientele is a broad mix of oil companies of all sizes. The company has developed specialized software for processing seismic data in geologically complex areas (Foothills).

R&D Activities

3D geometry verification; full pre-stack migration; high resolution refraction statistics.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ SEISMIC SOFTWARE PACKAGE		UNIX	1990	

Keyword Office Technologies Ltd.

2816 - 11 Street N.E.
Calgary, Alberta
T2E 7S7

☎ 250-1770

250-1964

Branch Offices

☐ Ottawa, ON

☐ Washington, DC

Executive Officer(s)

Robert A. Blackshaw *President & CEO*
Stephen J. Corbett *Executive V P*
Donald W. Boone *V P & General Mgr.*

No. of Employees in Alberta	***50-100***
Firm established in	***1979***
Firm started commercial software activities in	***1984***

Contact Person Denis Demco

Technical Environments

Hardware Platforms

- Bull
- IBM
- Unisys-Burrough-Sperry
- AT&T
- Data General
- DEC
- HP
- NCR
- Prime
- Pyramid
- WANG
- PC and XT(808x types)
- Macintosh

Operating Systems

- AIX
- AOS-VS
- Apple Mac (finder/MultiFinder)
- HP-UX
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- OS-VMS
- UNIX

Technical Environments (cont')

Programming Language

- C

Graphical User Interface

- Windows

Applications

Word/ Text Processing

- DTP (desk top publishing)
- Word processing
- Document interchange

Office Automation

- Image-based document management
- Records/ document management
- Compound document mgt.

Target Market

General Business

- General business/ public at large - all sectors

High Technology

- Computer hardware
- Computer software

Company Profile & Focus

Keyword, Calgary-based and 100% Canadian owned, maintains a unique market position as the only company world-wide offering a full range of document interchange products. These products allow organizations to protect their investments in document preparation hardware and software and to improve productivity by managing the incompatibilities between different environments. For instance, a document created in one word processor can be reviewed and revised by a second, different word processor. Keyword's KEYpak product delivers quality, bi-directional document interchange in many different formats on Digital VAX's, IBM's, VM and MVS operating systems, and on a number of UNIX-based systems. It can be incorporated with a variety of electronic mail, integrated office environments and proprietary O.S.

Keyword's technology is being remarketed by a number of office systems vendors to the integrated office automation market. These include Bull, Olivetti, Siemans/Nixdorf, Prime, Data General, Wang, AT&T and others.

Keyword's strategy is to provide compatibility in all the areas of the compound document, word processors, spreadsheets, databases, graphics and image.

Specialization

Document Interchange.

R&D Activities

Compound Document Processors and international standards.

Major Clients

Bell South, US West, Dupont, AT&T, Digital, IBM, Wang, Prime, Data General, Aetna.

International Sales

QEM channel through most major office systems vendors; distributors in UK, Europe, Far East, Australia; dealers and direct sales in US and Canada.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ KEYpak	Document interchange	various	1987	500
■ SOFTpak	Document translation	MS-DOS	1988	1000
■ SERVICEpak	Document conversion (service bureaus)	MS-DOS	1987	100
■ THE NETWORK CONVEYpak	E-mail interaction	MS-DOS	1990	20
■ COMMANDER II	Menuing system	MS-DOS	1990	

Krushelnicki & Spyker

#255N, 8500 Macleod Trail S.E.
Calgary, Alberta
T2H 0M6

☎ 253-8484

• 252-1279

Branch Office

☐ Medicine Hat, AB

Executive Officer(s)

Richard Krushelnicki
Clifford Spyker

No. of Employees in Alberta	***1-6***
Firm established in	***1988***
Firm started commercial software activities in	***1988***

Contact Person Clifford Spyker

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- C

Add Ins
- to accounting software

Applications

Education & Training
- Computer based training
- Business

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- FIS (financial information systems)
- Other accounting

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Agriculture

Manufacturing & Processing Ind.
- Construction & housing

Service Industry
- Food services industry (restaurants)
- Leisure/ recreation & sports
- Trucking

Professional Services
- Accountants

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments

Company Profile & Focus

Krushelnicki & Spyker is a small chartered accountant firm based in Calgary. Each of the partners has at least 10 years of business experience with national public accounting firms, owner-operated businesses or oil and gas companies. Krushelnicki & Spyker works extensively in the field of business education, providing both comprehensive and custom designed business training seminars using microcomputers. In addition, the firm can assist businesses in the proper implementation and selection of accounting systems, management information systems and local area networks..

Specialization

Accounting and business information systems, microcomputer training for business.

Notes & Comments

Work with Mount Royal College in Calgary teaching seminars in basic accounting, management accounting, auditing and information systems.

Kwok Consulting Group Ltd.

#1350 Weber Centre,
5555 Calgary Trail S.
Edmonton, Alberta
T6H 5P9

☎ 438-7277

• 436-1321

Executive Officer(s)
Henry Kwok, C.A. *President*
Deborah Sekulic, C.M.A. *Secretary/ Treasurer*
Allen Lai, P. Eng. *Director, Technical*

No. of Employees in Alberta	*1-6*
Firm established in	*1984*
Firm started commercial software activities in	*1984*

Contact Person Henry Kwok, C.A.

Technical Environments

Operating Systems
- BASIC-2
- PC-DOS (same as MS-DOS)
- UNIX
- VAX-VMS

Programming Language
- BASIC
- Speed II, APPX

Graphical User Interface
- Windows

Programming Environment
- dBase & Clones
- Speed II, APPX
- BASIC, Speed I
- Netware/ Advanced-Netware

Add Ins
- to dBase
- to accounting software

Applications

DP & Computer Sys. Applic.
- Expert systems shells
- Systems utilities

Graphics
- Graphics tools (digital video capture & processing/ screen capture/ scanning/software

Word/ Text Processing
- DTP (desk top publishing)
- Word processing

Connectivity
- LAN (local area network)

Spreadsheets
- Spreadsheets

Office Automation
- Correspondence/ administrative document tracking
- EIS executive information systems
- Human resources management
- Image-based document management
- Inventory control
- MIS management information systems
- Project management
- Purchasing
- Scheduling

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Income tax
- FIS (financial information systems)
- Assets management
- Financial control/ planning
- Other accounting

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Asset Management
- Maintenance/ building/ machinery/ vehicles/ etc.

Applications (cont')

Manufacturing Software
- Computer Assisted Manufacturing

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Clothing
- Construction & housing
- Fabricated metal industry
- Food products
- Health care products industry
- Industrial equipment & machinery
- Pharmaceutical industry
- Textile/ Knitting industry

Service Industry
- Distribution/ wholesale services industry
- Food services industry (restaurants)
- Hospital & health clinics industry
- Insurance
- Bus Line

Professional Services
- Accountants
- Business consulting
- Computer/ software specialists/ MIS department
- Other health care professionnals

High Technology
- Computer software

Government & Education
- Provincial & state governments
- Hospitals, health board

Kwok Consulting Group Ltd.

Company Profile & Focus

Kwok Consulting Group Ltd. is an Alberta-based company that develops and markets Intell-Health (intelligent health care information systems for health care facilities and hospitals).

The company also provides system and design consultation in various office automation environments and has provided completed systems to homebuilders, distributors, insurance adjusters, hospitals and governments.

The company has developed a general insurance management information system using 4th GL language in the WANG VS environment and support, APPX 4th GL applications in the DEC world.

Kwok Consulting Group specializes in the development of various Work-Load measurement systems and Decision Support Systems in the Health Care Industries with a low-cost, high quality product solution. All products are compatible with the CHA-MIS guidelines.

Specialization

Health Care and Hospital Management Information System; Property & Liability Insurance Systems.

R&D Activities

Development of an integrated General Insurance Underwriting System; Development of hospital integrated MIS systems (work-load measurement systems); Clinical decision - support system.

Major Clients

Peace Hill General Insurance, Alberta Hospitals Association, Edmonton Board of Health, Fort Saskatchewan General Hospital, Alberta Environment, Debbirex Ltd., Pembina Pipe Line Ltd., Briggs Bus Line Ltd

International Sales

Cross-licensing with other T. O. M. (Speed II) resellers.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ G.I.M.S.	General insurance management system	SPEED II/DEC WANG VS/ WANG OP	1987	2
■ Ins. Adj. Sys	Insurance adjusters	SPEED I/PC/MS-DOS	1988	1
■ INTELL-HEALTH	Intelligent health system	TAS/PC/NETWORK	1990	
■ REHABILITATION WORKLOAD MEASUREMENT SYSTEM		SPEED I/PC/NETWORK MS-DOS	1990	
■ HOSPITAL MATERIAL MANAGEMENT SYSTEM		SPEED I/PC/NETWORK	1991	
■ INTEGRATED SYSTEMS FOR HOSPITALS		SPEED I/PC/NETWORK	1991	

Lakewood Systems Ltd.

9258 - 34A Avenue
Edmonton, Alberta
T6E 5P4

☎ 462-9110

• 450-3867

Executive Officer(s)
Don Hlidka
Ken Smelquist

No. of Employees in Alberta ***1-6***
Firm established in ***1978***
Firm started commercial software activities in ***1978***

Contact Person: Garry Hasl

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- BASIC

Graphics / User Interface
- GEM
- Windows

Programming Environment
- dBase & Clones
- SQL

Add Ins
- to dBase
- to scientific
- to CAD
- to accounting software
- to operating systems

Applications

DP & Computer Sys. Applic.

Graphics
- Graphics tools (digital video capture & processing/ screen capture/ scanning/software

Engineering & Science
- Chemical engineering software
- Electrical engineering software
- Forestry engineering software
- Laboratory & instrumentation software
- Mathematical applications/ simulation software
- Meteorology applications software
- Statistical applications software

Target Market

Resource Industries
- Agriculture
- Fisheries
- Forestry
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Electrical equipment
- Electronic equipment industry
- Energy equipment
- Fabricated metal industry
- Food products
- Industrial equipment & machinery
- Petrochemical industry
- Other transportation equipment

Service Industry
- Environmental services
- Public utilities (hydro/ cable/ etc.)
- Air
- Marine
- Rail
- Trucking

Professional Services
- Architects
- Computer/ software specialists/ MIS department
- Engineering

Company Profile & Focus

Lakewood is a privately-owned Canadian company which was originally established as an engineering company to provide consulting, design, and commissioning service on remote data acquisition systems. Through these activities, the market demand for smaller self-powered field data recorders was recognized. By 1980, Lakewood was producing several different types of radio and telephone data acquisition systems which were the forerunners of its first battery-operated datalogger. Successful datalogger beta tests were completed by 1982. Lakewood phased out its engineering activities and consolidated its R&D efforts into datalogging devices. After committing over $1 million into datalogger hardware and software development, it has now become Canada's largest producer of battery-operated datalogging systems. Lakewood's datalogging equipment can operate under extreme temperature conditions for periods of three to five years without battery changes. Its dataloggers are IBM PC compatible and have found their way into many laboratory and remote monitoring applications in such areas as: environment, industry, agriculture, geotechnical, hydrology, education, oceanic, automotive, military, aero-space, and medical.

Landmark Graphics Canada Ltd.

#1220, 101 - 6 Avenue S.W.
Calgary, Alberta
T2P P4

☎ 262-2124

• 266-3722

Head Office

Landmark Graphics Corp.
333 Cypress Run
Houston TX
770-94

☎ 579-4700

📠 730-203

• 579-4814

Executive Officer(s)

Gene Ennis *C E O & President*
Hardy Morgan *Chief Financial Off*
Ken Strode *Chief Operating Off*

No. of Employees in Alberta *7-15*
Firm established in *1985*
Firm started commercial software activities in *1984*

Contact Person Terry J. Fitzheut

Technical Environments

Operating Systems
- AIX
- Sun-OS
- UNIX

Programming Language
- C
- FORTRAN

Graphical User Interface
- OSF/Motif
- X-Window

Applications

Graphics
- Computer graphical user interfaces
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)
- Graphics tools (digital video capture & processing/ screen capture/ scanning/software

Engineering & Science
- Surveying & mapping software
- Exploration & developing

Company Profile & Focus

Landmark Graphics Canada was set up to provide sales and support to the Calgary oil industry. In five years of operations, the company has expanded its client list to 20 oil companies with over 60 computer exploration systems installed. Landmark provides a turnkey solution, selling both hardware (IBM and SUN) and software (their own and third-party) to oil companies. In Calgary, the company has a dedicated training centre, three full-time client service personnel, and resident field service engineers with full inventory of spare parts. Software packages are 2D and 3D seismic interpretation packages with mapping and data loading packages for support.

A suite of geological applications were released in 1990. These were STRATWORKS (a well log correlation and mapping package) as well as SYNTHESEIS (a synthetics generator package for geological/geophysical well tying).

Specialization

Full network support to mainframe, mini, workstations. Will integrate our software to other UNIX, RISC based workstations.

R&D Activities

Have worked with several Canadian companies to aid in the flow of information between their software and ours.

Major Clients

Shell Canada, Pancanadian, Petro Canada, BVI, AEC, Esso Resources, Mobil Oil, Amoco, etc. Have 23 clients (all oil companies located in Calgary).

International Sales

Have offices all over the world, over 500 computer-aided exploration (geophysical & geological) workstations installed in over 40 different countries, annual demo's at: CSEG, CSPG, SEG, EAEG, AAPG, EAPG, APG, AEG conventions

Notes & Comments

Dedicated training and support staff to the Calgary market place. In 1990, we purchased Zycor and ITA (Inverse Theory & Applications).

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ 2DPLUS	2-D interp & mapping software	AIX/UNIX, IBM, SUN	1985	48
■ 3DPLUS	3-D interp & mapping software	AIX/UNIX, IBM, SUN	1985	36
■ BCM	Dataloading software	AIX/UNIX, IBM, SUN	1985	
■ STRATWORKS	Well log correlation & mapping	AIX/UNIX, IBM, SUN	1990	
■ SYNTHESEIS	Synthetic (geological) generator	AIX/UNIX, IBM, SUN	1990	
■ ZMAPT	Interactive mapping package	DOS/AIX/UNIX, IBM, SUN		
■ INSIGHT/1	Interactive seismic pre/post processing packages plus Acoustic impedance inversion package	UNIX, SUN Workstation		

* Zmapt is from Zycor.

** Insight/1 is from ITA.*

Lawgic Computer Systems Inc.

#700, Toronto Dominion Tower
Edmonton, Alberta
T5J 2Z1

☎ 421-9619

• 424-9478

Executive Officer(s)
L. P. Carr *President*
J. Robertson Demcoe *C E O*
Kenneth Chase *V P - Marketing*

No. of Employees in Alberta	*1-6*
Firm established in	*1983*
Firm started commercial software activities in	*1983*

Contact Person Kenneth Chase

Technical Environments

Hardware Platforms
- Bull
- HP
- IBM

Operating Systems
- PICK
- UNIX

Programming Language
- BASIC

Programming Environment
-

Add Ins
- to 1-2-3
- to word processing software
- to accounting software
- to operating systems

Applications

DP & Computer Sys. Applic.
- Computer languages 4GL (fourth generation languages)

Word/ Text Processing
- Word processing

Communications
- E-mail software
- Terminal emulation

Connectivity
- LAN (local area network)
- Micro-mainframe session handlers
- Session simulators

Office Automation
- Time & disbursements

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Trust accounting

Target Market

Service Industry
- Real estate

Professional Services
- Accountants
- Business consulting
- Legal services / lawyers
- Corporate offices

Company Profile & Focus

Lawgic Computer Systems Inc. is an Alberta-based company that develops and markets computer software for applications for law offices and other professional firms. The Lawgic program is an inter-active transaction-driven system for law firm management. It is integrated with word processing to permit easy preparation and editing of accounts. Accounting features including time and disbursement recording, accounts receivable, trust and invested trust, conflict of interest, automatic bank deposits and reconciliations. There are extensive standard reports and an unlimited number of custom reports can be easily prepared.

There are no limits to the number of client files and timekeepers. The company provides turnkey service and continual updates and maintenance to its users. The system is UNIX-based and, through networks, can be connected to personal computers and other mainframes.

Specialization

Integrated law office accounting and management.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ LAWGIC	Time and disbursements	UNIX	1983	12

Logic Resources

P. O. Box 7587
Peace River, Alberta
T8S 1T2

☎ 624-8666

624-3344

Executive Officer(s)
Raj Singh *President*

No. of Employees in Alberta **1-6**
Firm established in
Firm started commercial software activities in **1988**

Contact Person Raj Singh

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- PC-DOS (same as MS-DOS)
- UNIX

Programming Language
- C
- PASCAL

Graphical User Interface
- Windows

Programming Environment
- Clipper
- dBase & Clones
- Netware/ Advanced-Netware

Applications

DP & Computer Sys. Applic.
- Data capture/ validation

Office Automation
- EIS executive information systems
- MIS management information systems

Target Market

General Business
- General business/ public at large - all sectors

Service Industry
- Hospital & health clinics industry
- Retail trade

Professional Services
- Administrators

Government & Education
- Universities & colleges

Company Profile & Focus

Logic Resources is an Alberta-based firm that specializes in developing software for administrative applications. The company was started in 1986. In 1988, its first product, EXSTATIC, was introduced. Since then three more software packages have been developed.

In addition to these software packages, Logic Resources also engages in custom software development to meet the unique and specific needs of its clients.

Logic Resources provides complete turnkey operations including hardware/software installation and training.

Specialization
Administrative software for vertical market segments of industry, especially concerning data collection, management and reporting.

Major Clients
University of Alberta (Faculte St. Jean); University of Windsor; Valleyview Hospital.

International Sales
Logic Resources markets its products directly to the end user. Logic Resources participates in trade shows in Canada and the USA.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ EXSTATIC	Administrative software for college and university continuing education departments with student registration and statistical reporting	MS-DOS	1988	23
■ PATIENT ADMITTING SYSTEM	Patient admitting and record keeping system for small hospitals	MS-DOS	1990	1

MAConsultants

#300, 555 - 4 Avenue S.W.
Calgary, Alberta
T2P 3E7

☎ 262-5734

• 266-1837

Executive Officer(s)
Peter Milburn *President*
Gordon Oliphant *Vice President*
Barry Caplan *Vice President*

No. of Employees in Alberta **1-6**
Firm established in
Firm started commercial software activities in **1987**

Contact Person Peter Milburn

Technical Environments

Hardware Platforms
- Macintosh

Operating Systems
- Apple Mac (Finder/MultiFinder)

Graphical User Interface
- Mac

Programming Environment
- Double Helix 3
- TOPS

Applications

DP & Computer Sys. Applic.
- Data capture/ validation

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Target Market

General Business
- General business/ public at large - all sectors

Company Profile & Focus

MAConsultants is an independent, Alberta-based company specializing in expert training and support for Macintosh systems. Broad-based expertise covers areas such as hardware, system software, applications, and connectivity. The company trains and supports mainstream applications for general business and specialized applications pertaining to the graphic arts industry.

MAConsultants has been in business since 1986 offering services such as on-site support, one-on-one or small group training, skill-sharpening tutorials, custom courses and telephone support. The company is also involved in system installation, upgrading, maintenance and troubleshooting. The company has also developed applications using Double Helix for order entry and tracking.

MAConsultants' client base has risen sharply due to our expert knowledge, strong troubleshooting skills and responsive service.

Specialization
Vertical market database development.

Major Clients
United Graphics, AGFA Compugraphic, AM International, Nova Corp., Petro Canada, Peat Marwick Thorne, City of Calgary, Calgary Exhibition and Stampede.

Marimex Industries Ltd.

421 Forge Road S.E.
Calgary, Alberta
T2H 0S9

☎ 252-8800

252-9557

Executive Officer(s)
Dietmar Brand *President*
Janice Murphy *Vice President*

No. of Employees in Alberta	*1-6*
Firm established in	*1989*
Firm started commercial software activities in	*1986*

Contact Person Dietmar Brand

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- UNIX
- XENIX

Programming Language
- Assembler
- C
- PASCAL

Programming Environment
- Special industrial

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools

Communications
- Communication for systems

Marketing & Sales
- Bulk Account POS

Asset Management
- Data acquisition/ remote sensing/ etc.
- Environment related applications
- Maintenance/ building/ machinery/ vehicles/ etc.

Engineering & Science
- Custom software

Target Market

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Petrochemical industry

Company Profile & Focus

Marimex sells and services, a variety of analytical automation and other instruments. These include process chromatographies, oxygen analysers, non-dispensive infrared analysers, optical monitors, flow meters and other systems.

Since 1987, Marimex has provided custom software engineering for bulk loading automation with card security systems and automatic generation of BOL papers and export documents. This is achieved by interconnective personal computers with flow computers, card terminals and printers via interrupt driven serial ports. Other automation includes interconnection of an additional gas chromatograph to obtain mass and volume by component. This could be used also in the environmental area for data acquisition via serial ports. Data obtained can also be converted into a standard format like 1-2-3.

Specialization
Bulk loading automation component blending, data acquisition via serial ports.

Major Clients
AMOCO Petroleum, Shell Canada.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ PETROLOADER	Bulk loading	MS-DOS	1987	6
■ BLENDER	Blending	MS-DOS	1989	1
■ PC-CHROM	Data acquisition	MS-DOS	1988	2

Matson Computing Inc.

2520 Chateau Place N.W.
Calgary, Alberta
T2M 4K7

☎ 284-1399

Executive Officer(s)
Merv Matson *President*
Gisele Matson *Secretary/Treasurer*

No. of Employees in Alberta	*1-6*
Firm established in	*1988*
Firm started commercial software activities in	*1988*

Contact Person Merv Matson

Technical Environments

Operating Systems
- AIX
- Apple Mac (Finder/MultiFinder)
- OS
- UNIX
- XENIX

Programming Language
- C
- Smalltalk

Graphical User Interface
- Mac
- Open Look
- OSF/Motif
- X-Window
- Windows 3.0

Programming Environment
- Objectworks/Smalltalk

Applications

Engineering & Science
- Agricultural engineering software
- Chemical engineering software
- Electrical engineering software
- Engineering computational tools
- Forestry engineering software
- Mechanical engineering software
- Mining engineering software

Target Market

Resource Industries
- Mining
- Oil & gas extraction industry

Company Profile & Focus

Matson Computing Inc. is an Alberta-based company involved in software development primarily for engineering and scientific applications. The company offers software consulting, contract development services, and software products.

Matson was founded April 1988 to deliver consulting services based on the following strengths and capabilities: engineering and scientific software development; computer systems, mathematical, and engineering analysis; software development methodology: structured development, information engineering, object-oriented development; project management; project planning and control, estimating, scheduling, quality control; and training and development of training programs management.

Company experience includes software development in oil and gas exploration and production; process engineering; tar sands; mining and minerals; programming language compilers; education administration; agriculture production, refining, sales; demographics; survey engineering; naval weapons systems.

Specialization
Petrophysical calculation systems, engineering and scientific software development, software development methodology and project management.

R&D Activities
Application of object-oriented software development to scientific and engineering applications.

Major Clients
Shell Canada Ltd., Technology Distributors International, University of Calgary.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ LOGMED	Petrophysical Calculations	MS-DOS, UNIX, XENIX, Mac, Aix 3	1991	

Mazuryk Petroleum Consulting Ltd.

3331 Upton Place N.W.
Calgary, Alberta
T2N 4G9

☎ 282-2592

Executive Officer(s)
Walter J. Mazuryk *President*
Joyce A. Mazuryk *Secretary/Treasurer*

No. of Employees in Alberta	*1-6*
Firm established in	*1987*
Firm started commercial software activities in	*1987*

Contact Person Walter Mazuryk

Technical Environments

Add Ins
- to 1-2-3

Applications

Spreadsheets
- Spreadsheets

Education & Training
- Lotus 1 2 3

Target Market

Service Industry
- Banking & financial institutions
- Brokerage industry

Professional Services
- Engineering

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Company Profile & Focus

Information was not provided.

Specialization
Evaluation of oil and gas properties.

Major Clients
Alberta Treasury Branch.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ CANECO	Canadian Oil & Gas Economic Evaluations	Lotus 1-2-3	1987	25

Micro Computer Systems Training Centre

#1140, 10040 - 104 Street
Edmonton, Alberta
T5J 0Z2

☎ 424-2317

• 429-2789

Executive Officer(s)
Georgina Kuzyk

No. of Employees in Alberta	*1-6*
Firm established in	*1984*
Firm started commercial software activities in	*1986*

Contact Person Greg Taylor

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 386 486 - all makes

Operating Systems
- PC-DOS (same as MS-DOS)

Programming Environment
- dBase & Clones

Target Market

General Business
- General business/ public at large - all sectors

Professional Services
- Training

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments

Cultural Industries
- Non-profit organization

Company Profile & Focus

Micro Computer Systems Training Centre was incorporated in 1984 to retail computer hardware and software to business and government. In June 1986, the company elected to concentrate exclusively on micro computer training to meet the growing needs and demands for high quality computer training. The company 's background in the computer industry, combined with teaching experience, strong business sense, and financial experience, have all contributed to the growth of a very successful and effective training centre.

Specialization

Providing concise training on most popular software application products in industry. Consulting services available for these products.

Major Clients

Various private companies in any area of industry or commerce, federal government, provincial government, City of Edmonton.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*

- Introduction to Computers for a Small Business (seminar)
- Computerized Accounting Seminar (ACCPAC & Bedford)
- The following hands-on courses:
- Introduction to Computers and DOS
- Hard Disk Management
- Automated Office course
- Lotus 1-2-3 Data Entry; Lotus 1-2-3 Introduction
- Lotus 1-2-3 Database, Graphing & Allways
- Lotus 1-2-3 Functions; Lotus 1-2-3 Macros
- Quattro Pro Introduction, Quattro Pro Intermediate
- Quattro Pro Macros
- Microsoft Excel; Supercalc
- dBase III Introduction & Intermediate course
- dBase IV Introduction & Intermediate course
- Wordperfect Introduction, Intermediate, Advanced & Expert courses
- Microsoft Word Introduction, Intermediate & Advanced courses
- Word Processing Plus (6 week program)
- Bookkeeping
- ACCPAC plus or ACCPAC BPI General Ledger, Accounts Payable, Accounts Receivable, Order Entry, Inventory, Job Cost and Payroll courses
- Bedford Accounting courses
- Windows Introduction & Intermediate courses
- DrawPerfect
- Pagemaker Introduction and Intermediate courses
- Corel Draw Introduction, Intermediate courses and Workshop

Micro Imaging Ltd.

#700, 933 - 17 Avenue S.W.
Calgary, Alberta
T2T 5R6

☎ 244-9883

• 228-3763

Executive Officer(s)
Robert Di Pietro *President*
William R. Martin *Marketing Manager*

No. of Employees in Alberta	***1-6***
Firm established in	***1986***
Firm started commercial software activities in	***1988***

Contact Person William R. Martin

Technical Environments

Hardware Platforms

- Amdahl
- IBM
- Unisys-Burrough-Sperry
- DEC
- HP
- WANG
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Company Profile & Focus

Micro Imaging Ltd. (MIS)is a Calgary-based, Canadian designer, integrator, and manufacturing company providing simple solutions to document storage and retrieval problems.

Micro Imaging Ltd.'s business philosophy has been built on the belief that long-term success depends on the ability to develop and maintain solid, mutually beneficial relationships with customers and suppliers by providing a high level of service and loyalty. Micro Imaging has built its business with a team of experienced computer professionals, high quality products and a firm commitment to providing total customer support.

Micro Imaging serves a diverse market for sophisticated, professional computer systems. The company markets a wide range of computer systems, and peripheral products. The product mix provides solutions for all aspects of office automation and technical computing, addressing both departmental and personal computer environments.

The MIS-D80 Archiving System Software utilizes the capability of a PC-AT style office computer integrated with a powerful database and image archival/retrieval software package to provide a practical electronic alternative to your present manual filing systems.

Specialization

Archiving software.

R&D Activities

Developing and perfecting computerized archiving software.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ MIS-D80/D60 ARCHIVING SYSTEM SOFTWARE	Filing system for instant access	PC-AT		

Micro Systems Unlimited

#110, 1144 - 29 Avenue N.E.
Calgary, Alberta
T2E 7P1

☎ 250-9113

Executive Officer(s)
Michael Finch
Marc Lalonde

No. of Employees in Alberta	***16-24***
Firm established in	***1981***
Firm started commercial software activities in	***1981***

Contact Person Mike Finch

Technical Environments

Operating Systems
- Concurrent DOS
- MS-DOS/PC-DOS
- UNIX
- XENIX

Programming Language
- BASIC
- C

Graphical User Interface
- Windows

Programming Environment
- ACCELL
- UNIFY
- Progress
- SQL
- Netware/ Advanced-Netware

Applications

Word/ Text Processing
- Word processing

Communications
- Communications software

Spreadsheets
- Spreadsheets

Office Automation
- Inventory control
- Purchasing

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Assets management
- Materials management

Target Market

Service Industry
- Distribution/ wholesale services industry
- Insurance

Professional Services
- Medical offices
- Other health care professionnals

Company Profile & Focus

Micro Systems Unlimited sells complete turnkey systems to small businesses using micro processor-based technology. Micro Systems developed software for medical offices in 1983. Re-financed in 1988 through private placement to ensure growth, the company has added full-time sales and management personnel. In 1990, Micro Systems Unlimited purchased rights to a software product for insurance agencies.

The company now serves wholesale/distribution outlets, medical offices and Insurance agencies as specific markets and has a healthy client base that provides on-going service revenues and new equipment revenue. Markets will require technology changes and advancements over the next 10 years.

Specialization
Software for wholesale/distribution outlets, medical offices, insurance agencies.

Major Clients
SAIT, Northern Steel, Explosives Ltd., 200 Alberta physicians.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ COMPUDOC	Alberta Health Care billing and office management	MS/DOS PCs	1983	85
■ INSURANCE MANAGER		MS/DOS/Novell	1983	150
■ VARNET	Financial series	UNIX, DOS	1987	1500

Micrologic Limited

#12A, 4101 - 19 Street N.E.
Calgary, Alberta
T2E 7C4

☎ 250-2911

Executive Officer(s)
Robert C. Atkins *President*
Linda M. Atkins *Secretary/Treasurer*

No. of Employees in Alberta	*1-6*
Firm established in	*1978*
Firm started commercial software activities in	*1980*

Contact Person Robert C. Atkins

Technical Environments

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)
- Proprietary OS

Programming Language
- Assembler
- BASIC
- Binary - Machine
- C

Add Ins
- to operating systems

Applications

Office Automation
- Purchasing
- Records/ document management

Asset Management
- Data acquisition/ remote sensing/ etc.
- Environment related applications
- Maintenance/ building/ machinery/ vehicles/ etc.

Applications (cont')

Engineering & Science
- Electrical engineering software
- Laboratory & instrumentation software
- Meteorology applications software

Target Market

Resource Industries
- Agriculture
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Electrical equipment
- Electronic equipment industry
- Industrial equipment & machinery

Service Industry
- Environmental services

Professional Services
- Engineering

High Technology
- Computer hardware
- Computer software

Company Profile & Focus

Micrologic Limited incorporated in 1978 to provide the Canadian oil and gas industry with electronics engineering services, especially for the remote exploration regions. Micrologic has developed expertise in the operation of instrumentation and telemetry systems under the extremes of the environment in these frontier areas. More recently, Micrologic has become involved in the development of microprocessor-based instrumentation systems for measurement and control applications both locally and worldwide.

Systems designed, constructed and installed by Micrologic include satellite telemetry, automatic weather stations, miniature remote-operated vehicles, measurement while drilling data acquisition systems, micropower data collection systems and microprocessor drill ng monitoring equipment.

Micrologic has a fully equipped electronics research and development laboratory with a full range of modern test equipment. To facilitate equipment testing under field conditions, the company maintain a small cold chamber capable of -60 deg C operation for extended periods of time. The lab is also equipped with three separate computer systems to facilitate simultaneous instrumentation development, data processing and sensor calibration. The company also maintains close contact with various engineering consultants specializing in areas in which the company has chosen not to develop.

Specialization
Design & development of microcomputer based instrumentation for harsh environments (e.g., Canadian Arctic, oil wells, submarines)

Major Clients
Intera Technologies, Global Thermoelectric, Starburst Electronics, Gulf Oil, Dome Petroleum, Northern Telecom, BMP Energy, Union Carbide.

International Sales
Boltronics Corp. - self serve car wash timers; Yokogawa Corp. - oxygen flow rate of change monitor/alarm. Both products are also sold in the USA.

Notes & Comments
Environmental chambers & specialized test equipment for harsh environment R & D.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ ACCUTIMER	Self serve car wash timer	Proprietary	1987	85
■ E S S	Flow analyzer/alarm	Proprietary	1984	18
■ ELTIO2	Drill spudding timer	Proprietary	1988	12
■ MLVM	Data acquisition system	Proprietary	1989	6

Microlynx Systems Ltd.

#172, 6815 - 8 Street N.E.
Calgary, Alberta
T2E 7H7

☎ 275-7346

295-0732

Executive Officer(s)
Ken Mouratidis *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1984*
Firm started commercial software activities in	*1984*

Contact Person Ken Mouratidis

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)
- UNIX
- XENIX

Programming Language
- Assembler
- C

Programming Environment
- Oracle

Applications

Communications
- Communications software
- Gateway/ communication networks

Connectivity
- LAN (local area network)
- WAN (wide area network)

Target Market

Professional Services
- Computer/ Software specialists/ MIS department
- Engineering

High Technology
- Computer hardware
- Computer software
- Telecommunications

Company Profile & Focus

Microlynx Systems Ltd. excels in the development of communications products. Our belief is that communications will play an increasingly pivotal role in every business offering hardware, software, and consulting services.

Due to the technical nature of Microlynx products, their market consists of systems developers and integrators.

The company's first product was a low cost implementation of X25 for personal computers. The next product ported this capability to computers based on the ISA BUS (e.g. the AT). Future products under consideration include implementing the emerging frame relay standard, LAN/WAN bridges, and a high performance hardware.

Microlynx's key strength is its ability to deliver cost effective products in low volumes.

Specialization
Communications protocols and microcomputer architectures.

Major Clients
The Software Group, Woodbridge ON (TSG).

International Sales
Carried out through channels exclusively.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ HPX	Communications package	DOS 80286 and up	1990	20

Micros In Business Inc.

#255N, 8500 Macleod Trail S.E.
Calgary, Alberta
T2H 0M6

☎ 253-8486

• 252-1279

Branch Office

☐ Ottawa, ON

Executive Officer(s)

Clifford Spyker
Tom Anderson

No. of Employees in Alberta	*1-6*
Firm established in	*1989*
Firm started commercial software activities in	*1990*

Contact Person Clifford Spyker

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- C

Graphical User Interface
- Custom Designed

Add Ins
- to 1-2-3
- to accounting software

Applications

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- G S T preparation

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Agriculture

Manufacturing & Processing Ind.
- Construction & housing

Service Industry
- Food services industry (restaurants)
- Retail trade
- Trucking

Professional Services
- Accountants
- Business consulting
- Medical offices
- Other health care professionnels

Company Profile & Focus

Micros in Business Inc. combines talents of Krushelnicki & Spyker, Chartered Accountants, and Melville Shipping Ltd., a software developer. This group was specifically brought together to develop a software package that helps independent businesses prepare their federal Goods and Services Tax return.

Using the experience and expertise of chartered accountants in the field of taxation and specifically in the field of GST, coupled with the extensive programming experience of Melville, Micros in Business has developed an extremely user friendly software package. Melville Shipping Ltd. has developed comprehensive window menus and educational help menus from their experience of developing software for major corporations in Canada and the United States.

The GST software specifically allows users to extract information from their existing accounting packages to prepare the required GST filings. In addition to being fully integrated the software features extensive Help menus and pop-out windows. However, the real benefit of this software is its ability to assist businesses in preparing and completing the government required GST filings in an easy and quick manner.

Specialization

Business software specifically for the generation and preparation of GST filings.

R&D Activities

We continue to update and revise the software to ensure that all users have the most current versions.

International Sales

Product are not applicable outside of Canada.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ GST Solution	Preparation package for GST Filings	MS/PC-DOS	1990	N/A

Minerva Technology Inc.

#620, 777 - 8 Avenue S.W.
Calgary, Alberta
T2P 3R5

☎ 263-7533

• 266-3594

Branch Offices

- Vancouver, BC
- Dallas, TX

Executive Officer(s)

Steve Miller President
Revett Elored Chairman/Treasurer

No. of Employees in Alberta	***100 Plus***
Firm established in	***1985***
Firm started commercial software activities in	***1985***

Contact Person Darlene Witcher

Technical Environments

Hardware Platforms

- DEC
- IBM
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems

- AIX
- Micro-RSTS
- Micro-RSX
- MicroVMS
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- PC-DOS (same as MS-DOS)
- PICK
- RSX
- ULTRIX
- UNIX
- XENIX
- VAX-VMS
- VMS

Programming Language

- Assembler
- C
- COBOL
- FORTRAN
- PASCAL

Technical Environments (cont')

Graphical User Interface

- DEC Windows
- Mac
- Presentation Manager - PM
- X-Window
- Windows

Programming Environment

- CASE
- Clipper
- dBase & Clones
- Oracle
- PowerHouse
- Paradox
- Sybase
- SQL Server
- SQL
- 3COM
- Vines/ Banyan

Applications

Accounting and Finance

- Integrated accounting

Target Market

General Business

- General Business/ Public At Large - All Sectors

Government & Education

- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Company Profile & Focus

Minerva was founded in 1985 to provide consulting and systems development services to Calgary businesses. The company has become one of the largest consulting groups in Calgary and have also expanded to Dallas, Vancouver and Toronto.

Minerva's mission is to help clients accomplish their business objectives through the effective application of computer technology.

The company does this in two ways: Developing systems using modern systems engineering methods; Providing contracted computer professionals.

Minerva specializes in platforms ranging from stand alone PCs to larger VAX networks.

Specialization

PC and VAX hardware platforms, using 4th GL and relational databases such as Paradox, Sybase and Oracle.

Major Clients

Nova, BP Canada, Shell, Gulf, ESSO, Montreal Trust, Northern Telecom, Cominco, Petro-Canada, etc.

International Sales

Office in Dallas, Texas, USA.

Mitre Software Corporation

#200, 9636 - 51 Avenue
Edmonton, Alberta
T6E 6A5

☎ 434-4452

• 437-7125

Executive Officer(s)
John P. Graham President

No. of Employees in Alberta	*1-6*
Firm established in	*1987*
Firm started commercial software activities in	*1987*

Contact Person *John P. Graham*

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- BASIC

Applications

Engineering & Science
- Civil engineering software
- Laboratory & instrumentation software
- Mining engineering software

Target Market

Resource Industries
- Agriculture
- Forestry
- Mining
- Oil & gas extraction industry
- Hydroelectric industry

Professional Services
- Engineering

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- Universities & colleges

Company Profile & Focus

Mitre Software Corporation was established in 1987 to market GSLOPE, a Limit Equilibrium Slope Stability Analysis program which was developed by John P. Graham, P. Eng, between 1984 and 1987.

GSLOPE incorporates automatic grid search routines for the minimum factor of safety and is the only PC-based slope stability analysis package to directly support a digitizing tablet.

In early 1989, Mitre released GTILT, a slope inclinometer data reduction and presentation package. GTILT supports the file formats of most commercially-available inclinometer data acquisition systems, and also allows manual data input via a sophisticated three-dimensional editor. Instant histograms for data quality control are available from the editor at a single keystroke.

Mitre's products are now in use at over 100 sites worldwide.

Specialization
Software which maximizes the everyday productivity and efficiency of geotechnical engineers.

R&D Activities
Currently testing a geothermal analyser. One application of this will be to model the thaw of permanently-frozen ground beneath heated buildings in Canada's north.

Major Clients
Syncrude Canada Ltd., B. C. Ministry of Highways, City of Edmonton, Golder Associates, U. S. Army Corps of Engineers, U. S. Bureau of Reclamation, Dames and Moore, Woodward-Clyde, Transmanche-Link, New Zealand Dept. of Public Works.

International Sales
U S A, U K, France, Switzerland, Italy, Denmark, Portugal, Iceland, Egypt, Saudi Arabia, South Korea, Australia, India, Papua New Guinea, Brazil and the Philippines. A French language version of GTILT is also available.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ GSLOPE	Limit equilibrium slope stability analysis		1987	70
■ GTILT	Slope inclinometer data reduction and presentation		1989	100
■ GTILT PLUS	Superset of GTILT designed for advanced inclinometer users		1989	10
■ RPP2PC	File transfer utility for use with Digitilt(R)		1990	10

All the above software packages operate on MS-DOS based microcomputers.

Mountain Marketing Group (Cariden)

16010B - 118 Avenue
Edmonton, Alberta
T5V 1C6

☎ 453-5971

• 451-2002

Executive Officer(s)
Chris Hancock *Principal*
Arlene Hancock *Principal*
Carie McGhie *Advisor*

No. of Employees in Alberta *7-15*
Firm established in
Firm started commercial software activities in *1969*

Contact Person Chris Hancock

Technical Environments

Operating Systems
- Apple Mac (Finder/MultiFinder)
- Apple DOS 3.3
- CP-M-86
- PC-DOS (same as MS-DOS)
- Window Developer

Programming Language
- BASIC
- C
- LOGO
- OOPS - C++ & all other
- PASCAL
- Prolog
- RPG
- Actor

Graphical User Interface
- Mac
- Windows

Programming Environment
- CASE
- Clipper
- dBase & Clones
- Paradox PAL
- Netware/ Advanced-Netware
- Waterloo PORT

Add Ins
- to dBase
- to 1-2-3
- to word processing software
- to accounting software

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Search and retrieval software/ engines for DBMS's
- Systems utilities

Graphics
- Computer graphical user interfaces

Education & Training
- Computer based training
- Courseware

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Income tax
- Other accounting

Engineering & Science
- Mathematical applications/ simulation software
- Mining engineering software

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Mining

Manufacturing & Processing Ind.
- Construction & housing
- Pulp & paper industry

Service Industry
- Real estate
- Air

Professional Services
- Accountants
- Business consulting

Government & Education
- School boards
- Universities & colleges
- Other educational institutions

Company Profile & Focus

Information was not provided.

Major Clients
On request.

Munro Engineering Inc.

#750, 840 - 6 Avenue S.W.
Calgary, Alberta
T2P 3E5

☎ 263-0070

• 262-1929

Branch Offices

- Aberdeen, UK
- Dallas, TX

Executive Officer(s)

R. G. Munro *President*

No. of Employees in Alberta	***25-49***
Firm established in	***1983***
Firm started commercial software activities in	***1985***

Contact Person Ian Richardson

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- Assembler
- C

Graphical User Interface
- HALO

Programming Environment
- Clipper
- 3COM
- Netware/ Advanced-Netware

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools
- Data security/ encryption/ cryptography/ virus protection/ copy protection

Communications
- Communications software

Applications (cont')

Connectivity
- Data Base Management Systems
- Full text databases
- LAN (local area network)

Asset Management
- Data acquisition/ remote sensing/ etc.
- Energy management applications

Engineering & Science
- Petroleum

Target Market

Resource Industries
- Oil & gas extraction industry

Service Industry
- Environmental services
- Air
- Marine
- Rail
- Trucking

High Technology
- Telecommunications

Government & Education
- Federal government
- Provincial & state governments
- Universities & colleges
- Other educational institutions

Company Profile & Focus

Munro Engineering Inc. (MEI) is a petroleum engineering software development company. MEI is affiliated with Garrett Computing Systems Inc. (GCS) of Dallas.

The MEI library includes applications ranging from casing design to drilling fluid hydraulics simulation, three-phase vertical flow to nodal type analysis, and pump design to decline curve analysis. The company's efforts include ongoing work with two integrated technical database systems: DIMS (TM) Drilling Information Management System; WIMS (TM) Well Information Management System. Both systems represent industry firsts.

Munro Engineering Inc. is primarily interested in the development of petroleum industry integrated relational database management systems, communications, and engineering/technical applications.

Specialization
Communications software integration.

R&D Activities
Mobile satellite communications.

Major Clients
Esso, British Petroleum, Suncor, PCP.

International Sales
U S A, Norway, Scotland, England, Denmark, New Zealand, Australia, Indonesia, Trinidad, Botswana, Congo, Ghana, UAE/Qatar, Gabon, Jordan, Kenya, Egypt, Malaysia, Dubai, Japan.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• DIMS/DIMENG	Relational drilling database employed with integrated communications and applications at the rigsite single or multi-user mode			
• DIMSHYD	Hydraulics simulator			
• WIMS/WIMENG	Complete completions/workover technical database management system			

Neotechnology Consultants Ltd.

#510, 1701 Centre Street N.W.
Calgary, Alberta
T2E 8A4

☎ 277-6688

277-6687

Executive Officer(s)
G. A. Gregory *President*
E. A. Desouza *Vice President*

No. of Employees in Alberta	*7-15*
Firm established in	*1972*
Firm started commercial software activities in	*1974*

Contact Person Edward Desouza

Technical Environments

Hardware Platforms
- IBM
- DEC
- Prime
- PC and XT(808x types)
- 286 AT - all makes
- 386/486 - all makes

Operating Systems
- Concurrent DOS
- MS-DOS/PC-DOS
- MVS-TSO
- PC-DOS (same as MS-DOS)
- VAX-VMS

Programming Language
- Assembler
- C
- FORTRAN
- PASCAL

Graphical User Interface
- Windows
- Borland Graphics Interface

Applications

Engineering & Science
- CAE (computer aided engineering)
- Engineering computational tools
- Petroleum eng. & hydraulic

Target Market

Resource Industries
- Oil & gas extraction industry

Professional Services
- Engineering
- Petroleum pipeline, wells

Company Profile & Focus

Neotechnology Consultants Ltd. (Neotec) is a wholly Canadian-owned company that is located in Calgary. It was registered in 1972 and is licensed by APEGGA. Since its formation, Neotec has provided highly specialized services to the oil and gas industry, both domestic and international, in the form of software, consulting, and advanced training for engineering personnel.

Garry Gregory is the president of Neotec and the primary author of Neotec's pipeline/wellbore hydraulics and fluid property software. He is the author or co-author of over 70 technical publications and is recognized internationally as a consultant, researcher and educator.

Ed Desouza is the vice president of Neotec and the author of Neotec's comprehensive system software designated as the Neotec Master System (NMS). He has years of experience in computer systems, data analysis, software development and technical software support services, particularly as related to the oil and gas industry.

Specialization

Multiphase flow of hydrocarbons in pipelines and wells.

Major Clients

Bechtel Corp., Brown & Root Inc., Gulf Canada Resources Ltd., Husky Oil, Mobil Exploration & Producing Services Inc., Petro Canada Inc., Shell Canada Ltd., Lavalin Inc.

International Sales

Highpower Systems Ltd.-Agent: Jerry Goldbloom, UK area; Seaware Inc.-Agent: Curtis Burton, Houston area; Uniglobe Technologies-Agent: Hani Kerdani, Middle East area; Soteca S.R.L.-Agent: Oscar Santollani, S. America.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• NMS-Neotec Master	Comprehensive, interactive menu-based, operating system to facilitate all Neotec software	PC-DOS	1986	40
• PIPEFLO	Pipeline & gathering system hydraulics & thermal effects	PC-DOS	1974	40
• WELLFLO	Production/injection well hydraulics and thermal effects	PC-DOS	1977	40
• INPROP	Phase behavior & transport properties for compositional & black oil fluids	PC-DOS	1977	40
• FORGAS	Gas field production forecasting and development scheduling	MVS-IBM, PRIME, AX-VMS	1983	10

Nichols Advanced Technologies Inc.

#1100, 10130 - 103 Street
Edmonton, Alberta
T5J 3N9

☎ 424-0091

428-7644

Executive Officer(s)
D. Bruce Butler *President*

No. of Employees in Alberta	***7-15***
Firm established in	***1983***
Firm started commercial software activities in	***1984***

Contact Person D. Bruce Butler

Technical Environments

Hardware Platforms
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- C
- DBase III Plus

Applications

Education & Training
- Library automation

Target Market

General Business
- General business/ public at large - all sectors

Government & Education
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Company Profile & Focus

Nichols Advanced Technologies Inc. is an Edmonton-based software company specializing in library automation. The company's primary software package MOLLI is (Micro OnLine Library Information) It has been installed in approximately 700 public and other libraries world wide, approximately 600 in the United States. Nichols Advanced Technologies Inc. is an affiliate of Nichols Applied Management, a diversified management consulting firm with particular expertise related to market evaluation and business planning of high technology ventures.

MOLLI (Micro OnLine Library Information) is an integrated system providing on-line searching, indexing, cataloguing, circulation and inventory control functions. Keyword searching with boolean logic is used and a full range of reports and statistics are generated. MOLLI is configured for IBM and compatible micro computers and other machines using the PC-DOS operating system. A multi-user version of MOLLI is available using local area networks.

The primary markets for MOLLI are school, corporate, public and organizational libraries and information centres. Current users include schools, colleges, professional firms, industrial research organizations and government agencies in the United States, Canada, Australia and elsewhere.

Specialization
Library automation.

International Sales
USA, Australia.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ MOLLI	Library automation	MS-DOS	1985	700

Ninga Software Corporation

#200, 1301 - 8 Street S.W.
Calgary, Alberta
T2R 1B7

☎ 245-1312

• 228-1050

Executive Officer(s)
Sergei Scurfield *President*
Jeremy P. White *Executive Manager*

No. of Employees in Alberta	*1-6*
Firm established in	*1989*
Firm started commercial software activities in	*1989*

Contact Person Sergei Scurfield

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- Various languages used

Applications

Education & Training
- General education prog.

Miscellaneous
- Entertainment, home use

Target Market

General Business
- General business/ public at large - all sectors

Company Profile & Focus

Ninga Software Corporation is a Calgary-based company which publishes and markets entertainment, educational and miscellaneous home use computer software programs. The company was incorporated in 1989 with the recognition that many talented programmers did not have access to an outlet through which they could effectively market their creations. Ninga's goal is to help talented programmers find commercial success. Ninga's premier software products (Civil War, World Champion Backgammon, World Champion Cribbage, Labyrinth and The Detective's Case Book) were released in June, 1990. By February, 1991, Ninga had established an effective distribution network throughout Canada and the United States. Ninga's goals include attracting more Albertan, Canadian and international programmers who can add to Ninga's expanding product line. Ninga would welcome programmers to submit programs which they have already developed for evaluation.

Specialization
Publishing software designed for retail market, including entertainment, educational, instructional and specialty programs for home computer user.

R&D Activities
Work closely with freelance programs to help enhance final design of program before publication; provides creative and occasionally technical support for freelance programmers; develop high quality game software in-house.

Major Clients
Radio Shack, London Drugs, American Software Distributors and many independent computer software retail stores.

International Sales
Ninga products sell in Canada, United States, and Europe. The United States accounts for 30% of the market in 1990. Ninga will attend major trade shows and will advertise in selected U S magazines and catalogs.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ THE WEDDING PLANNER	Application program	MS/DOS	1991	
■ "SO YOU THINK YOU KNOW CANADA"	A series of educational games	MS/DOS, CGA EGA AND VGA	1991	
■ CIVIL WAR	Computer game	MS/DOS, VGA	1990	
■ WORLD CHAMPION BACKGAMMON	Computer game	MS/DOS, CGA, EGA, VGA	1990	
■ WORLD CHAMPION CRIBBAGE	Computer game	MS/DOS, CGA, EGA, VGA	1990	
■ LABYRINTH	Computer game	MS/DOS CGA	1990	
■ THE DETECTIVE'S CASE BOOK	Computer game	MS/DOS, MDA	1990	

Nortech Surveys (Canada) Inc.

319 - 2 Avenue S.W.
Calgary, Alberta
T2P 0C5

☎ 262-0800

• 262-0810

Branch Offices

☐ Dartmouth, NS

☎ 468-3736

☐ Hailey, ID

☎ 788-2468

Executive Officer(s)

Tim J. Crago *President*
Tom Casey *Controller*
Brent Wanless *Mgr. Special Projec*

No. of Employees in Alberta	***25-49***
Firm established in	***1983***
Firm started commercial software activities in	***1984***

Contact Person Brent A. Wanless

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- Concurrent DOS
- OS-2/OS-2-Extended
- PC-DOS (same as MS-DOS)
- RTOS

Programming Language
- Assembler
- C

Programming Environment
- Clipper
- dBase & Clones

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools

Engineering & Science
- Engineering computational tools
- Forestry engineering software
- Mathematical applications/ simulation software
- Surveying & mapping software

Target Market

Resource Industries
- Forestry
- Mining
- Oil & gas extraction industry

Professional Services
- Surveying & mapping

High Technology
- Computer software

Company Profile & Focus

Nortech Surveys (Canada) Inc. is a advanced technology surveying and positioning company based in Calgary, Alberta. Formed in early 1983, it operates worldwide with additional offices in Canada, USA, and the Sultanate of Oman.

Nortech offers a complete range of services including offshore surveys, GPS static and dynamic positioning, inertial surveys, and specialized integrated systems including the Airborne Laser Terrain Profiling System (ALTPS) and Digital Video Geographical System (DVG(TM)S). Their personnel are among the most qualified in the world for land, sea and airborne positioning services, using specialized techniques and the most advanced equipment available on the market or through in-house development.

Nortech's prime strength lies in software and hardware development related to navigation and position determinations on the earth's surface. Nortech is a pioneer in the area of inertial guidance systems, satellite Doppler navigation techniques, and GPS positioning techniques, and has to its credit some 50 scientific papers published by its senior staff members.

Specialization

Software for all GPS satellite surveying applications; video image processing for surveying, mapping and design.

R&D Activities

Custom hardware and software development for surveying and mapping.

Major Clients

Canadian Hydrographic Service, Power Engineers, Shell Oil, Alberta Power, Petro Canada.

International Sales

Offices in Oman, Dartmouth NS, Idaho USA; marketing representation in France for Europe.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*

■ Primarily service based. Software products to be introduced on a commercial basis in near future.

Norwest Labs

9938 - 67 Avenue
Edmonton, Alberta
T6E 0P5

☎ 438-5522

• 438-0396

Branch Offices

- Lethbridge, AB
- Langley, BC

Executive Officer(s)

Jean Crepin, P.Ag. *President & C E O*

No. of Employees in Alberta	***25-49***
Firm established in	***1975***
Firm started commercial software activities in	***1980***

Contact Person Jean Crepin, P.Ag.

Technical Environments

Hardware Platforms

- DEC
- PC and XT(808x types)

Operating Systems

- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)
- VAX-VMS

Programming Language

- FORTRAN
- PASCAL

Applications

DP & Computer Sys. Applic.

- Data capture/ validation
- Data handling tools

Engineering & Science

- Agricultural engineering software
- Laboratory & instrumentation software
- Mathematical applications/ simulation software
- Statistical applications software

Target Market

Resource Industries

- Agriculture
- Oil & gas extraction industry

Service Industry

- Environmental services

High Technology

- Computer software
- Laboratories

Company Profile & Focus

The company was started by five University of Alberta employees, two of whom were professors. The main activity of the company during its first two years was research in environmental reclamation.

At present, 50% of the company's activities are related to agriculture and approximately 50% to environment. Software needs relate to data acquisition from chemical analysis instrumentation, reporting and recommendations.

Specialization

Lab instruments, networks, computers, calculations, interpretations, and recommendations.

R&D Activities

Soil chemistry in the area of fertility and detoxification.

Major Clients

Esso Resources, AMOCO, Syncrude, Gulf, Luscar, Transalta Utilities, Sherritt Gordon Mines, Alberta Wheat Pool.

Notes & Comments

First agricultural laboratory accredited by the Standards Council of Canada.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ ABC		DOS	1989	15
■ NORLAB	L/MS	VMS	1985	1

Novate Enterprises Inc.

10450 Mayfield Road
Edmonton, Alberta
T5P 4P4

☎ 486-0228

• 486-0235

Branch Office

☐ Scottsdale, AZ

Executive Officer(s)

Alma McConnell *C E O*
Stan H. Wittenberg *President*
Art G. Rutledge *V P - M I S*

No. of Employees in Alberta	***1-6***
Firm established in	***1984***
Firm started commercial software activities in	***1984***

Contact Person Art G. Rutledge

Technical Environments

Hardware Platforms
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- Assembler
- PASCAL
- Prolog

Graphical User Interface
- Proprietary

Programming Environment
- CASE
- In-house 4GL
- AI & expert system shell

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software
- Assemblers/ compilers/ code translators
- CASE methods and tools (computer aided software engineering)
- Expert systems shells
- Search and retrieval software/ engines for DBMS's

Connectivity
- WAN (wide area network)

Education & Training
- Computer based training
- Diagnostics software

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Target Market

Service Industry
- Advertising & public relations industry
- Distribution/ wholesale services industry
- Air

Company Profile & Focus

Information was not provided.

Nucleus Data Systems Inc.

#200, 839 - 5 Avenue S.W.
Calgary, Alberta
T2P 3C8

☎ 262-3552

266-5050

Executive Officer(s)
David Sinclair
Don Wellington

No. of Employees in Alberta	*1-6*
Firm established in	*1985*
Firm started commercial software activities in	*1987*

Contact Person David Sinclair

Technical Environments

Hardware Platforms
- DEC
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- UNIX
- VMS

Programming Language
- C
- MANTIS, SYBASE, APT

Programming Environment
- SQL

Applications

DP & Computer Sys. Applic.
- Applications generators
- Documentation generators
- Menu generators

Target Market

General Business
- General business/ public at large - all sectors

Company Profile & Focus

Nucleus designs and implements large real-time database applications for any industry.

The company has developed application productivity tools for SyBase's APT front-end.

Specialization

Database application development.

Major Clients

Willowglen Systems, Chevron, federal government, Syncrude.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ NOSBUILD	Application code generator	SyBase	1990	3

Ocelot Computer Services Inc.

#1502, 10025 - 106 Street
Edmonton, Alberta
T5J 1G7

☎ 421-4187

Executive Officer(s)
Peter D. Gulutzan *President*
Trudy Pelzer *General Manager*

No. of Employees in Alberta	*1-6*
Firm established in	*1981*
Firm started commercial software activities in	*1981*

Contact Person Trudy Pelzer

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- Assembler
- BASIC
- C
- COBOL
- PASCAL

Programming Environment
- Ocelot
- SQL
- All Netbios

Applications

DP & Computer Sys. Applic.
- Data handling tools
- Search and retrieval software/ engines for DBMS's

Connectivity
- Data Base Management Systems

Target Market

General Business
- General business/ public at large - all sectors

Company Profile & Focus

Information was not provided.

Specialization
SQL database management.

R&D Activities
Development of micro-computer DBMSs.

International Sales
Export to Europe - distributor SienerSoft; Black and Decker Str 28 6270 Idstein, West Germany; export to the U S direct from Edmonton

Notes & Comments
Compatible with ANSI SQL Standard - Level II.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ OCELOT2	The SQL DBMS-compatible	MS/PC-DOS	1987	1200

Optical Data Systems Inc.

#209, 9650 - 20 Avenue
Edmonton, Alberta
T6N 1G1

☎ 450-2100

• 450-2600

Branch Office
Calgary, AB

☎ 250-9754

Executive Officer(s)
Ward Chandler *President*
Kim Laskin *V P - General Mgr.*

No. of Employees in Alberta	*1-5*
Firm established in	*1988*
Firm started commercial software activities in	*1988*

Contact Person Ward Chandler

Technical Environments

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- C

Applications

DP & Computer Sys. Applic.
- Data capture/ validation

Miscellaneous
- Optical disk archiving

Target Market

Resource Industries
- Oil & gas extraction industry

Government & Education
- Federal government
- Provincial & state governments

Company Profile & Focus

Optical Data Systems Inc. (ODS) was incorporated in March, 1988, to provide optical disk storage products and services to the Canadian market. O D S went public in January of 1989 and is now traded on the Alberta Stock Exchange.

The corporation's principal business is the transfer of data from magnetic tape and paper documents to optical laser disk through service centre, systems sales, and consulting service activities. O D S utilizes PC-based systems comprised of proprietary software and production hardware. The company plans and executes conversion programs for clients and supplies the necessary hardware and interfaces for on-going access to the information on optical disk.

Specialization
PC-based optical disk based archiving systems.

R&D Activities
Developed PC-based system for storage of nine track computer tapes on optical disk, with a focus on oil industry applications.

Major Clients
Petro Canada Inc., ONAREP (Office National de Recherches et d' Exploitation Petroler de Morocco)

International Sales
Current representation in North Africa and Middle East, negotiating USSR, Australia. Representation via local agents and joint-ventures. Subsidiary company Opti-Cor Inc. in Denver, Colorado.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• MILLENNIUM OD-1000	Tape to optical disk conversion	DOS 286/386/486	1989	3
• MILLENNIUM DE-1000	Tape demultiplexing package	"	1990	3
• MILLENNIUM PL-1000	Seismic plotting software	"	1990	3
• Sony Optical Products Media		"		
• Reflection Systems Optical Products Media		"		
• TAB Laser-Optic Filing System		"		
• MILLENNIUM OD-2000	Seismic field collection optical disk system	"		

Oracle Corporation Canada Inc.

SunLife Plz. #1710,
112 - 4 Avenue S.W.
Calgary, Alberta
T2P 0H3

☎ 265-2622

• 290-1836

Head Office

Oracle Corporation Canada Inc.
Scotia Plaza,
40 King Street Suite 4900
Toronto ON
M5H-3Y2

☎ 866-8056

• 866-8082

Branch Offices

- Edmonton, AB
- Montreal, PQ

Executive Officer(s)

Brian Courtney *Vice Chairman - CEO*

No. of Employees in Alberta	*7-15*
Firm established in	*1984*
Firm started commercial software activities in	*1985*

Contact Person Diane Gareau

Technical Environments

Operating Systems
- All major

Programming Language
- SQL

Programming Environment
- Oracle

Add Ins
- to dBase
- to 1-2-3

Applications

DP & Computer Sys. Applic.
- CASE methods and tools (computer aided software engineering)
- Search and retrieval software/ engines for DBMS's

Graphics
- Graphics tools (digital video capture & processing/ screen capture/ scanning software

Communications
- E-mail software
- Gateway / communication networks

Connectivity
- Distributed Database Management Systems

Office Automation
- Human resources management

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Assets management
- Property evaluation/ assessment
- Other accounting

Engineering & Science
- Surveying & mapping software

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Agriculture
- Fisheries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Automotive
- Chemical
- Health care products industry
- Petrochemical industry
- Pharmaceutical industry

Service Industry
- Banking & financial institutions
- Distribution/ wholesale services industry
- Hospital & health clinics industry
- Insurance
- Public utilities (hydro/ cable/ etc.)

Professional Services
- Accountants
- Computer/ software specialists/ MIS department

High Technology
- Computer hardware
- Defence & aerospace
- Telecommunications

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Cultural Industries
- Publishing industry (books & magazines)
- Radio & television production and operation

Oracle Corporation Canada Inc.

Company Profile & Focus

Oracle Corporation Canada Inc. has distinguished itself as the number one supplier of database management software within Canada. Operational since 1985, it is a wholly owned subsidiary of Oracle Corporation, the world's third largest software company.

Oracle markets an integrated line of software products used for database management, applications development, decision support and office automation, as well as a family of financial applications packages. Its principal product is the ORACLE (REG) relational database management system.

A key factor contributing to Oracle's success was its early use of the Structured Query Language (or SQL), which has become an international database standard. Also, all Oracle products are open, portable, distributed and integrated. With ORACLE, organizations can integrate different computers, different operating systems, different networks—even different database management systems—into a unified, enterprise-wide computing and information resource. Oracle combines data integration capabilities with portability across more than 80 diverse operating systems.

Specialization

Relational database management software.

Major Clients

Dept. of National Defense, Health and Welfare Canada, Union Carbide Canada, Canada Wire and Cable Ltd., Alberta Wheat Pool, Proctor and Gamble, Spar Aerospace, Volkswagen Canada, B.C. Tel.

International Sales

Offices in eight locations across Canada; 65 offices worldwide.

Products

Name	Description	Operating System	Year Int.	No.
• *ORACLE	Relational database management system	All major operating systems and hardware platforms	1979	20,000+ worldwide

* Primary product only. Additional information on application development, office automation, CASE, financial and other products available from Oracle offices.

P & A Computer Corp.

#350, 1000 Centre Street N.
Calgary, Alberta
T2E 7W6

☎ 230-0700

• 277-7679

Branch Office
Edmonton, AB

Executive Officer(s)
Fred Yee *President*
Dan Wong *V.P. - Operations*
Ray Poon *V.P. - Technical*

No. of Employees in Alberta 19-24
Firm established in 1981
Firm started commercial software activities in 1982

Contact Person Fred Yee

Technical Environments

Operating Systems
- AOS
- AOS-VS
- MS-DOS/PC-DOS
- MULTICS
- OS-2/OS-2-Extended
- Sun-OS
- QNX
- UNIX
- XENIX

Programming Language
- Assembler
- BASIC
- C
- COBOL
- FORTRAN

Graphical User Interface
- NEWS
- Open Look
- Presentation Manager - PM
- Windows

Programming Environment
- Clipper
- dBase & Clones
- Oracle
- PowerHouse
- Progress
- SQL
- 3COM
- Netware/ Advanced-Netware
- StarLAN
- NFS

Add Ins
- to dBase
- to 1-2-3
- to word processing software
- to accounting software

Applications

Office Automation
- Purchasing
- Records/ document management
- Scheduling

Applications (cont')

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Financial control/ planning
- Property evaluation/ assessment
- Municipal software

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Manufacturing Software
- JIT (just-in-time) software
- MRP (Material/Manufacturing Resource Planning)

Target Market

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Automotive
- Chemical
- Construction & housing
- Electrical equipment
- Electronic equipment industry
- Energy equipment
- Furniture
- Industrial equipment & machinery
- Petrochemical industry

Service Industry
- Distribution/ wholesale services industry

Professional Services
- Accountants
- Administrators
- Business consulting

Government & Education
- Municipal governments

Company Profile & Focus

P & A Computer Corp. is an Alberta-based company that develops and markets computer software for manufacturing and municipal applications. In 1981, the company was incorporated and began marketing software for manufacturing, architects and general accounting. Today, P & A markets primarily software for manufacturing companies and for rural municipalities. P & A has over 100 customers in Alberta using software and hardware stations developed in Alberta. P & A software supports all DOS, DOS networks and UNIX-based systems in multi-user environments.

Specialization
Manufacturing and distribution of software; municipal software.

R&D Activities
To enhance our existing applications software.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*

- Manufacturing software
- Municipal software
- Drilling contractors software
- Distribution software

P P M 2000 Inc.

10010 - 107A Avenue
Edmonton, Alberta
T5H H8

☎ 448-0616

• 493-8199

Branch Office

☐ Philadelphia, PA

Executive Officer(s)

Denis O'Sullivan CPP *President*
Allan Cross CPP *V P - Mrk. & Sales*

No. of Employees in Alberta ***1-5***
Firm established in ***1989***
Firm started commercial software activities in ***1989***

Contact Person Denis O'Sullivan

Technical Environments

Hardware Platforms
- 286 AT - all makes

Operating Systems
- PC-DOS (same as MS-DOS)

Programming Language
- C

Programming Environment
- Turbo C V 2.0

Applications

DP & Computer Sys. Applic.
- Search and retrieval software/ engines for DBMS's

Connectivity
- Data Base Management Systems

Office Automation
- MIS management information systems

Target Market

Resource Industries
- Agriculture
- Fisheries
- Forestry
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Automotive
- Chemical
- Clothing
- Construction & housing
- Electrical equipment
- Electronic equipment industry
- Energy equipment
- Fabricated metal industry
- Furniture
- Food products
- Health care products industry

Target Market (cont')

- Industrial equipment & machinery
- Leisure products
- Primary metal & mineral processing
- Petrochemical industry
- Pharmaceutical industry
- Pulp & paper industry
- Textile/ knitting industry
- Other transportation equipment
- Wood products
- All manufacturers

Service Industry
- Banking & financial institutions
- Distribution/ wholesale services industry
- Environmental services
- Food services industry (restaurants)
- Hospital & health clinics industry
- Insurance
- Leasing
- Real estate
- Tourism/ hotel industry
- Air
- Marine
- Rail
- Trucking

Professional Services
- Medical offices
- Other health care professionnals

High Technology
- Defence & aerospace

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Company Profile & Focus

Since 1987, PPM 2000 Inc. has been in the process of developing comprehensive software systems which will: meet the needs of today's security director; be flexible in regards to evolving hardware requirements; provide planning, budgeting and accountability functions; be easy to use.

Two initial products have since been released. The flagship product is a security incident tracking, evaluation and reporting application, SECURITY INTRACK. It facilitates the collection, collation and reporting of critical security management information. It is the first comprehensive security system which integrates all aspects of security management. In addition, it is the only product of its kind (in terms of scope and objectives) aimed specifically at the security professional.

SECURITY INTRACK has been broken down into a series of components or modules to allow the buyer maximum flexibility in constructing a system to meet his needs.

The second product, SECURITY KEYTRACK, is a key control product. Although it is a much smaller system than INTRACK, it is again a data storage system. It functions as a tracking record for keys issued, the doors to which they belong, personnel holding keys, keys lost and keys returned.

Panda Systems Ltd.

931 Coach Side Crescent S.W.
Calgary, Alberta
T3H 1A6

☎ 240-4273

• 288-2261

Executive Officer(s)
Philip Sceviour *President*
Paula Sceviour *Secretary/Treasurer*

No. of Employees in Alberta	***1-6***
Firm established in	***1985***
Firm started commercial software activities in	***1985***

Contact Person Philip Sceviour

Technical Environments

Hardware Platforms
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- UNIX
- XENIX

Graphical User Interface
- X-Window

Programming Environment
- FilePro
- Netware/ Advanced Netware

Add Ins
- to dBase
- to 1-2-3

Applications

Office Automation
- MIS management information systems

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll

Engineering & Science
- Rate Base - Utility

Target Market

Service Industry
- Insurance
- Air
- Marine
- Rail
- Trucking
- Pipeline

Professional Services
- Business consulting

Company Profile & Focus

Panda's main product is used in the insurance adjusting business where the company offers the Adjusters Management System (AMS) across Canada.

With approximately 100 users after five years in business, Panda provides on-going consulting support of UNIX/XENIX micro-based systems.

It is the only company in Canada specializing in this business.

Also, Panda performs some Lotus 1-2-3 packups in pipeline entining and economics.

Peat Marwick Thorne Information Systems

#3000, 10104 - 103 Avenue
Edmonton, Alberta
T5J V8

☎ 425-0240

• 429-7379

Branch Offices

☐ Calgary, AB

☎ 691-8000

☐ Lethbridge, AB

☎ 329-3222

Executive Officer(s)
R. J. Eggen *Partner-in-Charge*

No. of Employees in Alberta ***100 Plus***
Firm established in
Firm started commercial software activities in ***1964***

Contact Person R.J. Eggen

Technical Environments

Hardware Platforms
- IBM
- Data General
- PC and XT (808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems
- Apple Mac (Finder MultiFinder)
- MS-DOS PC-DOS
- OS-2 OS-2 Extended
- PC-DOS (same as MS-DOS)
- UNIX
- XENIX
- VMS

Programming Language
- BASIC
- COBOL
- PROGRESS

Graphical User Interface
- Mac
- Windows

Programming Environment
- Clipper
- dBase & Clones
- PROGRESS
- CICS
- IDMS
- POWER-ICCS
- Netware: Advanced Netware
- StarLAN

Add Ins
- to dBase
- to 1-2-3
- to word processing software
- to accounting software

Applications

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Assets management
- Financial control/ planning
- Other accounting

Marketing & Sales
- Material/ stock management
- Merchandising & direct sales
- POS (point of sale) & order entry/ order processing

Asset Management
- Maintenance/ building/ machinery/ vehicles/ etc.
- Asset physical control

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Agriculture

Manufacturing & Processing Ind.
- Construction & housing
- Fabricated metal industry
- Petrochemical industry

Service Industry
- Advertising & public relations industry
- Distribution: wholesale services industry
- Food services industry (restaurants)
- Hospital & health clinics industry
- Leisure/ recreation & sports
- Retail trade
- Tourism/ hotel industry
- Air
- Trucking

Professional Services
- Accountants
- Administrators
- Architects
- Business consulting
- Computer/ software specialists/ MIS department
- Engineering
- Legal services / lawyers
- News agencies/ journalists/ reporters
- Surveying & mapping
- Medical offices
- Other health care professionnals

High Technology
- Computer software

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges

Peat Marwick Thorne Information Systems

Company Profile & Focus

Peat Marwick Thorne is Canada's largest firm of chartered accountants, and a leader in providing professional support to businesses in the information systems area. The Information Systems Group (ISG) is the principal means by which Peat Marwick Thorne delivers computer-related advice to clients across the country.

ISG offers quality advice to help clients make effective systems decisions. ISG brings together the firm's complete expertise and resources in the information systems area and ensures this expertise is widely available to clients.

Through ISG, Peat Marwick Thorne provides Knowledge of the information systems marketplace. Clients are given access to the best information solutions available.

An extensive program of quality control ensures that ISG delivers consistently excellent service.

Pelican Software Ltd.

1035 - 75 Street
Edmonton, Alberta
T6K 2S5

☎ 445-9119

• 461-1251

Executive Officer(s)
Robert W. Snowie *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1988*
Firm started commercial software activities in	*1985*

Contact Person Robert Snowie

Technical Environments

Hardware Platforms
- Macintosh

Operating Systems
- Apple Mac (Finder MultiFinder)

Programming Language
- 4 D

Graphical User Interface
- Mac

Programming Environment
- 4th Dimension
- TOPS
- Appleshare

Add Ins
- to accounting software

Applications

DP & Computer Sys. Applic.
- Data handling tools

Connectivity
- Data Base Management Systems

Spreadsheets
- Spreadsheets

Office Automation
- Image based document management
- Project management

Applications (cont')

- Records document management
- Scheduling
- Database publishing

Accounting and Finance
- A R (accounts receivable)

Marketing & Sales
- Market research
- POS (point of sale) & order entry order processing

Target Market

General Business
- General business: public at large - all sectors

Manufacturing & Processing Ind.
- Health care products industry

Professional Services
- Business consulting
- Computer software specialists: MIS department

High Technology
- Computer software

Government & Education
- Provincial & state governments

Cultural Industries
- Newspapers publishers
- Publishing industry (books & magazines)

Company Profile & Focus

Pelican Software Ltd. was founded in 1985 to service and support the growing Macintosh market. The company is a leader in service and technical support across Alberta for business utilizing the Apple Macintosh family of micro computers. Pelican Software offers customized Macintosh database programming to automate any office or industrial needs.

Specialization

Macintosh LAN's, Multiuser Database Publishing i.e. catalogs, directories, brochures. County taxation systems, accounts receivable office automation.

Major Clients

Several major Alberta publishers utilize 4th Dimension for its unique database publishing capabilities (i.e. telephone directories, a weekly advertising magazine). Alberta Advanced Education's Literacy database and directory.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*

- QUESTIONNAIRE MAKER
  Develops camera-ready questionnaires from user defined question formats. Also prints previous respondents "filled in" questionnaires. Frequency reports and formatted export to Statview or Spreadsheets.
- CHURCH COLLECTIONS
  Assist churches and non-profit organizations in collecting weekly and special donations, accumulating amounts, and generating year end tax receipts.
- TAX ROLL MANAGEMENT
  Highly specialized system comprising 6 modules for automating local government tax collections. Preparation of tax roll assessments and notices, arrears, penalties, tax sales, licensing, assessments, and point of sale. All transactions are batch controlled and data is posted to Great Plains Accounting system.
- ALBERTA HEALTH CARE BILLING
  Tracks patient history/billings, lab work, generates patient receipts, prints appointment reminder notices/labels, and prepares Alberta Health Care billing forms. Fall '90: direct telecommunication of health care billing details via modem.

Power Stations

#300, 5241 Calgary Trail S.
Edmonton, Alberta
T6H 5G8

☎ 438-4441

437-3145

Head Office

Power Stations
Main Floor, 801
6 Avenue S.W.
Calgary, Alberta
T2P-3W2

☎ 237-7010

237-7882

Branch Office

Vancouver, BC

☎ 278-0552

Executive Officer(s)

Robert Hagen *Branch Manager*
Kevin Shinduke *Regional Manager*

No. of Employees in Alberta ***7-15***
Firm established in
Firm started commercial software activities in ***N/A***

Contact Person Robert Hagen

Technical Environments

Hardware Platforms
- SGI
- DEC
- HP
- IBM
- Apollo
- Silicon Graphics
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems
- AIX
- Concurrent DOS
- HP-UX
- PC-DOS (same as MS-DOS)
- Sun-OS
- UNIX
- XENIX

Programming Language
- Assembler
- BASIC
- Binary - Machine
- C
- FORTRAN
- LISP

Graphical User Interface
- GEM
- Generic - PHIG
- NEWS
- OSF/Motif
- X-Window
- Windows

Programming Environment
- dBase & Clones
- 3COM
- Netware/ Advanced-Netware

Add Ins
- to dBase
- to 1-2-3
- to word processing software
- to scientific
- to CAD
- to accounting software
- to operating systems

Applications

DP & Computer Sys. Applic.
- Data capture/ validation

Graphics
- Computer graphical user interfaces
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)
- Graphics tools (digital video capture & processing/ screen icapture/ scanning/software

Word/ Text Processing
- DTP (desk top publishing)

Connectivity
- LAN (local area network)

Spreadsheets
- Spreadsheets

Office Automation
- Correspondance/ administrative document tracking
- Human resources management
- Image-based document management
- Inventory control
- Project management

Accounting and Finance
- Integrated accounting

Asset Management
- Data acquisition/ remote sensing/ etc.
- Energy management applications
- Environment related applications
- GIS (geographic information systems)
- Maintenance/ building/ machinery/ vehicles/ etc.

Manufacturing Software
- CAM (computer assisted manufacturing)
- CIM (computer integrated manufacturing)

Engineering & Science
- Architecture software tools
- CAE (computer aded engineering)
- Civil engineering software
- Electrical engineering software
- Engineering computational tools
- Mathematical applications/ simulation software
- Mechanical engineering software
- Structural analysis
- Surveying & mapping software

Power Stations

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Automotive
- Chemical
- Construction & housing
- Fabricated metal industry
- Furniture
- Industrial equipment & machinery
- Petrochemical industry
- Pulp & paper industry
- Other transportation equipment
- Wood products

Service Industry
- Distribution/ wholesale services industry
- Hospital & health clinics industry
- Public utilities (hydro/ cable/ etc.)
- Tourism/ hotel industry

Professional Services
- Accountants
- Administrators
- Architects
- Business consulting
- Computer/ software specialists/ MIS department
- Engineering
- Legal services / Lawyers
- Surveying & mapping

High Technology
- Biotechnology
- Defence & aerospace
- Materials sciences

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Cultural Industries
- Audio/ film & video production
- Newspapers publishers
- Publishing industry (books & magazines)
- Radio & television production and operation

Company Profile & Focus

Information was not provided.

Precise Systems Corp.

380 One Thornton Court
Edmonton, Alberta
T5J 2E7

☎ 421-3181

• 424-2930

Branch Office

☐ Calgary, AB

Executive Officer(s)

John G. Moore *C E O*
Phillip King *Vice President*
Curtis Quigley *Vice President*

No. of Employees in Alberta	***7-15***
Firm established in	***1986***
Firm started commercial software activities in	***1986***

Contact Person J. G. Moore

Technical Environments

Hardware Platforms
- DEC
- IBM
- Sun
- PC and XT(808x types)

Operating Systems
- AIX
- MS-DOS/PC-DOS
- Sun-OS
- ULTRIX
- UNIX
- XENIX

Programming Language
- C

Graphical User Interface
- DEC Windows
- DeskMate
- NEWS
- Open Look
- OSF/Motif
- X-Window
- Sun View

Programming Environment
- BRS / BASIS
- Precise / Review
- AI & expert system shell
- SQL
- NQL
- StarLAN
- TOPS
- PCNFS / NFS

Add Ins
- to dBase
- to 1-2-3
- to word processing software
- to accounting software
- to operating systems

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software
- Data capture/ validation
- Data handling tools
- Data security/ encryption/ cryptography/ virus protection/ icopy protection
- Operating systems
- Search and retrieval software/ engines for DBMS's

Graphics
- Graphics tools (digital video capture & processing/ screen icapture/ scanning/sof

Word/ Text Processing
- Specialized editors
- Word processing

Communications
- Communications software
- E-mail software
- Gateway/ communication networks

Applications (cont')

- Terminal emulation
- Voice messaging software
- Video

Connectivity
- Full text databases
- LAN (local area network)
- Micro-mainframe session handlers
- WAN (wide area network)

Office Automation
- Agenda/ calendar
- Correspondence/ administrative document tracking
- Image-based document management

Accounting and Finance
- Billing & invoicing
- FIS (financial information systems)
- Auditing applications

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Agriculture
- Forestry
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Clothing

Service Industry
- Banking & financial institutions
- Distribution/ wholesale services industry
- Environmental services
- Hospital & health clinics industry
- Insurance
- Leasing
- Public utilities (hydro/ cable/ etc.)
- Rail
- Trucking

Professional Services
- Administrators
- Business consulting
- Computer/ software specialists/ MIS department
- Legal services / lawyers
- News agencies/ journalists/ reporters
- Medical offices

High Technology
- Computer software
- Telecommunications

Government & Education
- Federal government
- Provincial & state governments
- Universities & colleges

Cultural Industries
- Newspapers publishers

Precise Systems Corp.

Company Profile & Focus

In 1986, Precise Systems Corp. began to develop information management systems and product now known as Precise REVIEW.

Precise/REVIEW is a very advanced product that when combined with any full text or bibliographical database search engine, has a speed of image retrieval is very fast.

Specialization

Information management - document archiving and retrieval.

R&D Activities

Information management - document image retrieval.

Major Clients

Nova, Boeing, Interprovincial Pipelines, CNR, Ernst Young, Tri View, Ontario Government Department of Mines, Bennitt Jones.

International Sales

England (B R S Software Products) Europe and USA, Hong Kong, Asia (Ernst Young).

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ PRECISE REVIEW		IBM AIX	1990	1
		DEC ULTRIX	1990	1
		SUN UNIX	1989	12

Price & Waddingham Computer Systems Inc.

#500, 10240 - 124 Street
Edmonton, Alberta
T5N 3W6

☎ 482-4700

• 488-3188

Executive Officer(s)
Mike Waddingham *President*
Owen Price *Vice President*

No. of Employees in Alberta ***1-6***
Firm established in
Firm started commercial software activities in ***N/A***

Contact Person Mike Waddingham

Technical Environments

Operating Systems
- MS-DOS/PC-DOS
- NetWare

Programming Language
- Assembler
- Clipper

Graphical User Interface
- Windows

Programming Environment
- Clipper
- dBase & Clones
- Netware/ Advanced-Netware

Add Ins
- to accounting software

Applications

DP & Computer Sys. Applic.

Graphics
- Graphics tools (digital video capture & processing/ screen icapture/ scanning/software

Connectivity
- LAN (local area network)

Asset Management
- Maintenance/ building/ machinery/ vehicles/ etc.

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry

Service Industry
- Real estate

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments

Company Profile & Focus

Price & Waddingham company has recently developed an equipment tracking system known as ScanTek. The target market are companies that need to track high maintenance items such as fire fighting equipment. The software allows equipment inspections to be made by means of a bar code scanning device. Inspection details are kept in this portable scanner, then downloaded to a PC. Price & Waddingham also offer a range of MS-DOS and NetWare products and services and do custom software development for users of the Abacus Accounting System.

Specialization
Bar code transaction processing, dBase add-ons to Abacus Accounting.

Major Clients
N/A - new product.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ SCANTEK	Bar code scanner & PC dBase software	DOS, NetWare	1990	1

Price Waterhouse

#1200, 425 - 1 Street S.W.
Calgary, Alberta
T3A 2A7

☎ 267-1200

233-0883

Branch Offices

- ☐ Edmonton, AB
- ☐ Vancouver, BC

Executive Officer(s)

Bruce Massie *Partner*

No. of Employees in Alberta	***100 Plus***
Firm established in	***1930***
Firm started commercial software activities in	***1983***

Contact Person Bruce Massie

Technical Environments

Hardware Platforms
- IBM
- Data General
- DEC
- HP
- Prime
- CDC
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- AIX
- HP-UX
- MS-DOS/PC-DOS
- MVS
- PICK
- UNIX
- XENIX

Programming Language
- BASIC
- C
- COBOL

Graphical User Interface
- Presentation Manager - PM
- Windows

Programming Environment
- CASE
- dBase & Clones
- Oracle
- CICS
- SQL
- Tapestry

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software
- CASE methods and tools (computer aided software engineering)
- Computer languages 4GL (fourth generation languages)
- Data capture/ validation

Connectivity
- Data Base Management Systems
- LAN (local area network)

Spreadsheets
- Spreadsheets

Office Automation
- EIS executive information systems

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Income tax
- FIS (financial information systems)
- Assets management

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry

Company Profile & Focus

Price Waterhouse management consulting services is a major division of the Canadian firm of Price Waterhouse which provides audit, accounting, taxation and specialized financial services. The company has provided professional services in their Edmonton and Calgary offices in Alberta for over 60 years. Each of these offices provides a full range of management consulting services, including various information technology consulting services.

In Calgary, the largest segment of business is the construction, marketing and installation of application software for the oil and gas industry. Main product lines supported include: PREMAS (an application software package for IBM mainframe environment), PW*SEQUEL (an application software package for a wide range of hardware platforms), and Excalibur (also an application software package for a wide range of platforms).

Specialization

Application software for the oil & gas industry, particularly accounting and land applications.

Major Clients

Encor, Canadian Hunter, Czar, North Canadian Oil.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ PREMAS	Production, revenue & marketing	MVS, DB2, CICS	1990	6
■ PW*SEQUEL	Oil & gas accounting	UNIX, ORACLE	1990	3
■ Excalibur	Oil & gas accounting & land	UNIX, PICK	1983	15

Promek Consulting Ltd.

2nd Flr., 10155 - 120 Street
Edmonton, Alberta
T5K 2A2

☎ 488-9671

482-3464

Executive Officer(s)
Gerry M. Chevalier *President*
Roger H. Wilson *Secretary/ Treasurer*

No. of Employees in Alberta	***1-6***
Firm established in	***1978***
Firm started commercial software activities in	***1978***

Contact Person Gerry M. Chevalier

Technical Environments

Hardware Platforms
- DEC
- PC and XT(808x types)

Operating Systems
- MicroVMS
- MS-DOS/PC-DOS
- VAX-VMS
- VMS

Programming Language
- BASIC

Applications

Communications
- Terminal emulation

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Financial control/ planning
- FAS (Financial Accounting

Target Market

General Business
- General business/ public at large - all sectors

Service Industry
- Hospital & health clinics industry
- Leisure/ recreation & sports

Professional Services
- Accountants
- Business consulting
- Medical offices

Company Profile & Focus

Over 13 years, Promek has developed three major software packages: Promek-FAS, a general purpose client accounting system; Promek-PAS, small business payroll (employees); and Promek-MAS, a medical clinic accounting system with the ability to submit medical claims to Alberta Health Care.

Promek software is designed for DEC VAX/VMS computers. Promek also provides consulting services in support of VAX computers. In general, Promek's chief marketplace is small business consulting and software, especially in the area of finance and accounting.

Specialization
General accounting software for small business; Alberta based medical claims processing.

Notes & Comments
Accredited by the Alberta Health Care Service Bureau for 12 years.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ Promek-FAS	General accounting package	VAX/VMS		
■ Promek-MAS	Medical accounting claims processing	VAX/VMS		
■ Promek-PAS	Payroll accounting system software package	VAX/VMS		

QByte Services Ltd.

#800, 777 - 8 Avenue S.W.
Calgary, Alberta
T2P 3R5

☎ 263-3505

• 237-5662

Executive Officer(s)
Bill Tempany *President*
Stewart Schneider *Exec. Vice President*

No. of Employees in Alberta ***50-100***
Firm established in ***1984***
Firm started commercial software activities in ***1983***

Contact Person Todd Geddie

Technical Environments

Operating Systems
- MVS
- OS-2/OS-2-Extended
- OS-400

Programming Language
- COBOL
- RPG

Programming Environment
- CASE
- SAA
- DB2
- SQL
- SSP

Add Ins
- to 1-2-3
- to word processing software
- to scientific

DP & Computer Sys. Applic.
- Computer languages 4GL (fourth generation languages)
- Expert systems shells
- Search and retrieval software/ engines for DBMS's

Applications

Connectivity
- Data Base Management Systems
- Micro-mainframe session handlers

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Income tax
- FIS (financial information systems)
- Assets management
- Financial control/ planning
- Auditing applications
- Property evaluation/ assessment
- Other accounting

Asset Management
- Maintenance/ building/ machinery/ vehicles/ etc.

Target Market

Resource Industries
- Mining
- Oil & gas extraction industry

Company Profile & Focus

Qbyte has grown into a data processing force of over 80 seasoned individuals with over 100 clients. Having completed a merger with Coopers & Lybrand Information and Technology Group in late 1990, Qbyte is now a part of that organization. Prior to that, Qbyte purchased the XI Consultants group, a well respected supplier of production accounting systems in the Canadian resource industry. In September, 1990, Qbyte purchased the Petroman Division of Peat, Marwick & Thorne Accounting. With interfaces into other applications, Qbyte now offers a completely integrated solution for the Canadian and US resource industries "from the field to the desk".

Specialization
Information systems evaluation, acquisition, accounting, oil & gas management information systems (financial, production accounting, land).

R&D Activities
Gas Marketing System due for release January '91

Major Clients
Anderson Exploration Ltd., Bumper Development Corp. Ltd., Conoco Canada Ltd., Gardiner Oil & Gas Ltd., Intensity Resources Ltd., L L & E Canada Ltd., Morgan Hydrocarbons Inc., Opinac Exploration Ltd., Petrocorp Canada Explor.

Products

Name	Description	Operating System	Year Int.	No.
• MACRO (Management Assistant for Computerized Resource Organizations)	On line, integrated Financial and Production Accounting, Land and Contracts Administration system.	System 36, AS400, 370 environments		
• EIS (Enterprise Information System)	Executive Decision Support Long term planning and system	PC, RS6000 environments		
• COGS (Corporate Oil & Gas Strategist)	forecasting systems	DEC, IBM RS6000 environments		
• PRODUCT MARKETING	Currently in development, this system provides the necessary information for the oil and gas marketing, distribution and delivery components of the industry.		Due for release late 1991	

Quest Consulting Group Inc.

9712 - 45 Avenue
Edmonton, Alberta
T6E 5C5

☎ 438-3762

℻ 436-1573

Executive Officer(s)
Buddy Kashuba *President*
Tom Yau *Treasurer*
Desmond Melenka *Secretary*

No. of Employees in Alberta	1-4
Firm established in	1989
Firm started commercial software activities in	1989

Contact Person Buddy Kashuba

Technical Environments

Hardware Platforms
- Amdahl
- IBM
- DEC
- Tandem
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems
- Apple Mac (Finder/MultiFinder)
- CP/M
- CP/M-80
- MS-DOS/PC-DOS
- MVS
- MVS-SP
- MVS-TSO
- MVS-XA
- OS-2/OS-2-Extended
- PC-DOS (same as MS-DOS)
- VAX-VMS
- VMS

Technical Environments (cont.)

Programming Language
- ALGOL
- Assembler
- BASIC
- C
- COBOL
- FORTRAN
- PL/1

Graphical User Interface
- Presentation Manager - PM
- Windows

Programming Environment
- Clipper
- dBase & Clones
- Oracle
- Natural
- Adabas
- DB2
- CICS
- IMS/ IMS-DB/ IMS-DC
- Netware/ Advanced-Netware
- Novell

Applications

DP & Computer Sys. Applic.
- Data capture/ validation

Target Market

Professional Services
- Computer/ software specialists/ MIS department

Government & Education
- Federal government
- Provincial & state governments

Company Profile & Focus

Quest Consulting Group Inc. is an Alberta-based company which specializes in large application developments. This aggressive young company was started in late 1989 and has special expertise in dealing with very large database developments.

Specialization
Natural 2.1, Adabas 5.1, Natural/DB2 and DB2; CICS, IMS.

R&D Activities
Application development support tools for large scale systems.

Major Clients
AGT, Albert Health Care, Virginia Department of Transportation, Kansas Department of Revenue, South Dakota Department of Commerce, Correction Services of Canada, Canadian Council Motor Transportation Administration.

International Sales
Quest has a strategic goal to do 50% of its work outside Canada.

Products

Name	Description	Operating System	Year Rel.	No.
• NADP	Natural application development platform	IBM mainframe	June 1990	1

R S I Retail Solutions Inc.

#115, 200 Rivercrest Drive S.E.
Calgary, Alberta
T2C 2X5

☎ 279-0460

279-5201

Head Office

Consolidated Retail Solutions Inc.

Executive Officer(s)

Douglas R. Hurd
Mark Boulton-Mills

No. of Employees in Alberta	*7-15*
Firm established in	*1983*
Firm started commercial software activities in	*1983*

Contact Person Douglas R. Hurd

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-MOS

Programming Language
- Assembler
- BASIC
- C

Graphical User Interface
- Windows

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Operating systems

Word/ Text Processing
- Word processing

Communications
- Gateway/ communication networks
- Terminal emulation

Spreadsheets
- Spreadsheets

Office Automation
- Agenda/ calendar
- Inventory control
- Purchasing

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Assets management

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Target Market

Service Industry
- Retail trade

Company Profile & Focus

RSI Retail Solutions Inc., a fully-owned subsidiary of Consolidated Retail Solutions Inc., is a software development, marketing and support organization. Point of sale/inventory control systems is its primary area of expertise and concentration. RSI has been marketing its software to general merchandise retailers across Canada since 1973. It's mainline software product is called THE RETAILER and was licensed from RSI, its California developers, in 1983. RSI is one of the pioneers in the microcomputer-based POS systems business, with over 10 years of experience, serving over 5000 users, worldwide.

RSI Retail Solutions Inc. recently announced two new software products. PC/REG is an electronic cash register software program which turns a standard personal computer into a sophisticated cash register, which can then be attached to RSI's Retailer POS/Inventory control systems. HyperCash is a complete stand-alone electronic cash register software program which can be installed on standard PCs. HyperCash was designed with the small retailer in mind. Both PC/REG and HyperCash support the GST.

RSI's Research and Development group is currently working on a number of enhancements to it's multi-user/multi-tasking Retailer software package. RSI is also involved in various custom application developments for retail operations.

Specialization
Point of sale/inventory control systems.

Major Clients
Petro Canada, Government of Canada.

International Sales
Currently developing an international marketing program for its new products; target markets are the USA, South America, Australia, New Zealand, Europe.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ THE RETAILER	POS software	PC/MOS	1981	5000+
■ PC/REG	ECR software	DOS	1990	50+
■ HYPERCASH	ECR/POS software	DOS	1991	New release

Reath Laerz Associates Ltd.

#406, 602 - 11 Avenue S.W.
Calgary, Alberta
T2R 1J8

☎ 269-3728

℻ 269-3729

Head Office

Reath Laerz Associates Ltd.
P.O. Box 1088
Cochrane, Alberta
T0L 0W0

☎ 932-7148

℻ 932-6171

Executive Officer(s)

S. Eric Laerz
Peter F. Reath

No. of Employees in Alberta	*1-6*
Firm established in	*1981*
Firm started commercial software activities in	*1981*

Contact Person Peter F. Reath

Technical Environments

Hardware Platforms
- Amdahl
- IBM
- Unisys-Burrough-Sperry
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems
- MS-DOS/PC-DOS
- OS
- OS-VS2
- PC-DOS (same as MS-DOS)
- VAX-VMS
- VMS

Programming Language
- Assembler
- BASIC
- C
- OOPS - C++ & all other

Graphical User Interface
- Windows

Programming Environment
- dBase & Clones
- Oracle
- SQL
- XQL

Applications

DP & Computer Sys. Applic.
- Data handling tools
- Expert systems shells
- Search and retrieval software/ engines for DBMS's

Office Automation
- EIS executive information systems
- Human resources management
- Inventory control
- MIS management information systems

Accounting and Finance
- FIS (financial information systems)
- Financial control/ planning
- Property evaluation/ assessment

Engineering & Science
- Mathematical applications/ simulation software

Target Market

Resource Industries
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Petrochemical industry

Service Industry
- Banking & financial institutions

Professional Services
- Accountants
- Business consulting

Government & Education
- Federal government
- School boards

Company Profile & Focus

Reath Laerz Associates Ltd. (RLA) provides custom software to large corporations. Centered in Calgary, RLA offers complete project management services, ranging from feasibility studies through system design to implementation and ongoing support. RLA provides top quality expertise in computer modelling, optimisation, database management, LAN and EIS systems. Currently the emphasis is on the development of expert systems on micro computers to replace or supplement large mainframe systems.

For 1991, the systems will largely be platform-independent and object-oriented with graphical user interfaces.

RLA is committed to backing up its commercial systems with an ongoing research and development effort, particularly in the areas of expert systems technology and optimisation techniques.

Installed systems include gas marketing, resource economics, corporate planning, personnel management, tariff modelling and debt management.

Specialization

The development and use of expert systems and optimisation techniques creates micro solutions to massive corporate systems requirements.

Major Clients

Mobil, Esso, Texaco, Nova, Canadian Hunter.

Notes & Comments

All systems are custom developed for individual clients and are not available off the shelf.

Res-Soft Technologies Inc.

Box 50 Site 12 RR 4
Calgary, Alberta
T2M 4L4

☎ 239-8156

Executive Officer(s)
D. Brant Bennion
Christine Bennion
Leslie Lee

No. of Employees in Alberta	*1-5*
Firm established in	*1987*
Firm started commercial software activities in	*1987*

Contact Person D. Brant Bennion

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- PC-DOS (same as MS-DOS)

Programming Language
- BASIC
- FORTRAN
- Lotus 1 2 3

Graphical User Interface
- Windows

Applications

Spreadsheets
- Spreadsheets

Engineering & Science
- Engineering computational tools

Target Market

Resource Industries
- Oil & gas extraction industry

Professional Services
- Engineering

Company Profile & Focus

Res-Soft develops low cost software for petroleum reservoir engineers. The software is driven using Lotus 1-2-3 spreadsheets and is designed to transfer directly into a word processor for report preparation. The software was developed by practising consulting engineers and fills a unique position in low cost software.

Res-Soft has marketed this software throughout the world, but it has a limited market in the petroleum sector.

Riley's Datashare International Ltd.

1223 - 31 Avenue N.E.
Calgary, Alberta
T2E 7W1

☎ 291-3370

291-3894

Executive Officer(s)
Don Plewes *President*
Mike Jensen *Vice President*
Bob Sadler *Treasurer*

No. of Employees in Alberta ***100 Plus***
Firm established in ***1950***
Firm started commercial software activities in ***1950***

Contact Person Don Plewes

Technical Environments

Hardware Platforms
- Sun
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- PC-DOS (same as MS-DOS)
- Sun-OS

Programming Language
- Binary - Machine
- C

Graphical User Interface
- X-Window

Add Ins
- to scientific
- to CAD
- to operating systems

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools

Engineering & Science
- Oil industry

Target Market

Resource Industries
- Oil & gas extraction industry

Company Profile & Focus

Data is the lifeblood of oil and gas drilling and development, and for 40 years Calgary-based Riley's Datashare International Ltd. has been building databases and providing data solutions that help make exploration more efficient.

The roots of the company are in the library of more than 525,000 half-scale well logs, the familiar bluelines that have been dependable companions to geologists, engineers and technicians engaged in the hunt for oil and gas.

As user needs have evolved, Riley's has responded with new delivery systems to support the hardcopy log data it has provided to clients. As exploration and development evolved into a more sophisticated business, this has been a company that has developed new services in response to changing customer needs.

Over the years, Riley's reputation for integrity and reliability has lead to close relationships with the industry. In the early 1980s, Riley's began the wellsite tape library of digital log data for industry, paralleling the concept of the half-scale hardcopy library.

Digital log services have taken the company around the globe. From its service bureaus in Calgary and Houston, it has built databases and performed log digitizing projects in more than 53 countries.

Riley's was established in Calgary by Arvil Minor in 1950, just as the post-Leduc oil field boom was getting fired up. A host of exploration companies were setting up shop in Alberta to join the search for oil in Canada's western sedimentary basin.

Specialization

Digital log data storage, retrieval and output formatting.

Rinax Systems Ltd.

#205, 501 Cleveland Crescent S.E.
Calgary, Alberta
T2G 4R8

☎ 243-4074

Executive Officer(s)
J. Wrenshall
N. Easton
H. Buller

No. of Employees in Alberta	***7-15***
Firm established in	***1983***
Firm started commercial software activities in	***1983***

Contact Person J. Wrenshall

Technical Environments

Hardware Platforms
- Data General
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- UNIX
- RDOS

Programming Language
- Assembler
- C
- FORTRAN

Applications

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Income tax

Marketing & Sales
- Material/ stock management
- POS (point of sale) & order entry/ order processing
- Work order

Target Market

Manufacturing & Processing Ind.
- Automotive
- Industrial equipment & machinery

Service Industry
- Distribution/ wholesale services industry
- Marine
- Trucking

Government & Education
- Universities & colleges

Company Profile & Focus

Rinax Systems has been providing inventory control solutions to the jobbing and wholesale distribution trade since 1974.

The company's only product is RINAX, an integrated software package for point of sale, inventory control, accounting and sales analysis.

This software was developed in Alberta, and is offered under UNIX on a wide range of computing platforms, as well as on proprietary Data General computers.

S N C Inc.

8 Flr. 10130 - 103 Street
Edmonton, Alberta
T5J 3N9

☎ 422-6288

426-4131

Head Office

S N C Inc.
2 Place Felix Martin
Montreal PQ
H2Z 1S3

☎ 866-1000

866-0795

Branch Offices

☐ Calgary, AB

☐ Lethbridge, AB

Executive Officer(s)

G. Gerry *V P - Western Canad*
W. R. McMillan *V P - Operations-Ed*
K. Fitzgerrald *V P - Operations-Ca*

No. of Employees in Alberta	***100 Plus***
Firm established in	***1911***
Firm started commercial software activities in	***1983***

Contact Person M. Raye

Technical Environments

Hardware Platforms
- DEC
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- VMS

Programming Language
- BASIC
- C
- FORTRAN
- LISP

Programming Environment
- Clipper
- dBase & Clones
- AI & expert system shell
- Netware/ Advanced-Netware

Add Ins
- to dBase
- to 1-2-3
- to CAD

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software
- Expert systems shells
- Search and retrieval software/ engines for DBMS's

Graphics
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)
- Graphics tools (digital video capture & processing/ screen icapture/ scanning/software

Connectivity
- Data Base Management Systems

Spreadsheets
- Spreadsheets

Office Automation
- Correspondence/ administrative document tracking

Asset Management
- Data acquisition/ remote sensing/ etc.
- Energy management applications
- Environment related applications
- GIS (geographic information systems)
- Maintenance/ building/ machinery/ vehicles/ etc.

Manufacturing Software
- Process control

Engineering & Science
- Agricultural engineering software
- Architecture software tools
- CAE (computer aided engineering)
- Civil engineering software
- Electrical engineering software
- Engineering computational tools
- Mechanical engineering software
- Structural analysis
- Surveying & mapping software

Target Market

Resource Industries
- Agriculture

Manufacturing & Processing Ind.
- Chemical
- Petrochemical industry

Professional Services
- Engineering

S N C Inc.

Company Profile & Focus

S N C is one of Canada's leading engineer-constructors. Since 1911, as a multi-disciplinary engineering company, S N C has provided design, procurement, construction and project management services for the petro-chemical, refinery, oil and gas, heavy civil, mining, water resources, utility and electronics industry.

As part of these services, S N C also provides software development and applications services related to engineering, process control and project management. S N C has built and applied micro-computer based software for over 10 years. The specialized software packages include cost control, estimating, engineering management, document control, material management, PLC-based process control systems, piping, mechanical, electrical engineering analyses programs, electrical expert system and security/communication software.

Specialization

Project engineering and management software for engineering consultants and process plant builders.

R&D Activities

Development of expert systems for engineering.

Major Clients

Reynolds, Alcan, Husky, Transmountain Pipe Line Ltd., Interprovincial Pipe Line Ltd.

International Sales

Used on engineering projects internationally including Egypt, USA, South America, India, Hong Kong.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ SNC EDES	Electrical design expert system Micro-computer testing	MS-DOS/PC-DOS,	"	"
■ PMS	Project management system	MS-DOS, dBASE	1985	30
■ SPECTRUM	Spectrum management	MS-DOS	1985	10

Safeguard

#106, 3204 Rideau Place S.W.
Calgary, Alberta
T2S 1Z2

☎ 287-0356

243-2168

Branch Office

Lethbridge, AB

Executive Officer(s)

George Rebar

No. of Employees in Alberta	*1-6*
Firm established in	*1975*
Firm started commercial software activities in	*1985*

Contact Person George Rebar

Applications

Office Automation

- Agenda/ calendar

Accounting and Finance

- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing

Company Profile & Focus

Safeguard provides the following products and services: one-write stand-alone accounting system, data-input control systems, legal accounting software (law office manager), accpac sales and installation, classic sales and installation, one-write plus software, short run computer forms, and colour coded filing systems.

Safeguard is the leader of installed law office accounting systems in Alberta.

Specialization

Legal

Saiga Systems Inc.

#215, 801 - 6 Street S.W.
Calgary, Alberta
T2P 3V8

☎ 263-1151

264-5718

Executive Officer(s)
Alan Clifford *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1989*
Firm started commercial software activities in	*1989*

Contact Person Alan Clifford

Technical Environments

Hardware Platforms
- DEC

Operating Systems
- VMS

Programming Language
- Assembler
- FORTRAN

Applications

DP & Computer Sys. Applic.
- Data security/ encryption/ cryptography/ virus protection/ icopy protection
- Systems utilities

Company Profile & Focus

Saiga Systems develops and markets low-cost system tuning tools for the VMS operating system running on VAX computers and sells ultra-specialized tools to niche markets.

The company's business is done via direct marketing rather than through a sales force. Any company with a VAX is a potential customer. Saiga sells to all industries and all sizes of companies.

Major Clients

NASA, Los Alamos Labs, Boeing, AT&T Bell Labs, Lockheed, Dupont.

International Sales

Ninety percent of sales are in the USA; distributors in England and France.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ HITMAN	Idle process killer	VAX/VMS	1988	745
■ VDM	Risk Monitor	VAX/VMS	1988	203
■ RA	Resource accounting	VAX/VMS	1989	40
■ WATCH	System monitor	VAX/VMS	1988	17

Sector Software Inc.

5551 - 10 Avenue
Edmonton, Alberta
T6L 1Y5

☎ 450-4906

461-0602

Executive Officer(s)
Gord Rachar

No. of Employees in Alberta	*1-6*
Firm established in	*1989*
Firm started commercial software activities in	*1989*

Contact Person Gord Rachar

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- C

Programming Environment
- Clipper

Applications

Connectivity
- Supplier data mgmt.

Office Automation
- PIM personal information managers (IZE/ Grand View/ PackRat type)
- Purchasing
- Organize supplier cont.

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Forestry
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Manu.plants, petro chem.

Professional Services
- Engineering
- Sales professionals

Company Profile & Focus

Sector Software is an Alberta-based company developing and marketing computer software for users with a need to track suppliers.

The company was started in 1989 to develop INTRASPEC, a computerized buyer's guide for the industrial instrumentation trade. This buyer's guide, or directory, links Canadian instrumentation distributors to worldwide manufacturers of industrial instrumentation devices, the tradenames they own and the products they make. This lead to developing INTRALINK, a computerized directory builder that allows users to create directories of their own, all compatible with INTRASPEC.

INTRASPEC has been successfully marketed across Canada to the point where most industrial sites have purchased a copy. INTRALINK has been successfully marketed to many INTRASPEC users who wish to manage and distribute supplier directories of their own.

Specialization
Providing software that enables users to keep track of suppliers with their personal computer.

Major Clients
Imperial Oil, Shell Oil, Petro Canada, Atomic Energy Canada, most pulp & paper companies, mining operations.

International Sales
Sector began marketing to the USA in 1991.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ INTRASPEC	The computerized instrumentation directory	PC-DOS	1989	*
■ INTRALINK	The computerized directory builder	PC-DOS	1989	*

Sequoia Information Systems Ltd.

3608 Benton Drive N.W.
Calgary, Alberta
T2L 1W8

☎ 289-3395

Executive Officer(s)
Stephen Soule *Principal Consultant*
Abram Gamer *Principal Consultant*

No. of Employees in Alberta ***1-6***
Firm established in ***1986***
Firm started commercial software activities in ***1986***

Contact Person Stephen Soule

Technical Environments

Hardware Platforms
- IBM
- Apollo
- DEC
- Sun
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- MVS-XA
- Sun-OS
- UNIX
- VAX-VMS

Programming Language
- ALGOL
- APL
- Assembler
- BASIC
- C
- COBOL
- FORTRAN
- LISP
- PASCAL
- RPG

Programming Environment
- SQL
- Netware/ Advanced-Netware

Applications

Communications
- Gateway/ communication networks
- Terminal emulation

Connectivity
- Data Base Management Systems
- LAN (local area network)
- Micro-mainframe session handlers

Spreadsheets
- Spreadsheets

Office Automation
- Inventory control
- Project management

Accounting and Finance
- FIS (financial information systems)

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Asset Management
- Energy management applications
- GIS (geographic information systems)

Manufacturing Software
- MRP (Material/Manufacturing Resource Planning)

Engineering & Science
- Engineering computational tools
- Mathematical applications/ simulation software

Target Market

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Electronic equipment industry
- Leisure products

Service Industry
- Distribution/ wholesale services industry
- Leisure/ recreation & sports

High Technology
- Computer hardware
- Computer software
- Microelectronics
- Telecommunications

Cultural Industries
- Audio/ film & video production

Company Profile & Focus

Sequoia specializes in managing the creation of systems for commercial applications. As such systems must often be integrated from various hardware, the company offers services from analysis, design, project management, to establishing the maintenance regime.

Recently, Sequoia installed three successful, new point-of-sale systems, participated in developing a large corporate database network, and developed a unique system for the entertainment industry.

Specialization
Systems integration, management of development of integrated hardware/software projects.

R&D Activities
Point-of-sale, retailing, audio-frequency processing.

Major Clients
Shell Oil, Husky Oil, Archer Communications.

Shana Corporation

#105, 9650 - 20 Avenue
Edmonton, Alberta
T6N 1G1

☎ 463-3330

428-5376

Executive Officer(s)
Don Murphy *President*
John Murphy *V P/Marketing*
Tim Senger *V P - Development*

No. of Employees in Alberta	*7-15*
Firm established in	*1985*
Firm started commercial software activities in	*1985*

Contact Person Paul Chamberland

Technical Environments

Hardware Platforms
- Macintosh

Operating Systems
- Apple Mac (Finder/MultiFinder)

Programming Language
- PASCAL
- MPW

Graphical User Interface
- Mac

Programming Environment
- MPW

Applications

DP & Computer Sys. Applic.
- Data handling tools
- Search and retrieval software/ engines for DBMS's

Graphics
- Forms processing

Word/ Text Processing
- DTP (desk top publishing)

Office Automation
- Forms

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Agriculture
- Fisheries
- Forestry
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Health care products industry
- Pharmaceutical industry
- Pulp & paper industry

Service Industry
- Advertising & public relations industry
- Banking & financial institutions
- Hospital & health clinics industry
- Insurance
- Leasing
- Real estate
- Public utilities (hydro/ cable/ etc.)
- Air
- Marine
- Rail
- Trucking

Professional Services
- Computer/ software specialists/ MIS department
- Form design

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges

Shana Corporation

Company Profile & Focus

Shana Corporation was incorporated in May, 1985. Founded by local entrepreneurs, Shana initially developed custom software applications for the Macintosh. This work involved developing solutions for specific problems for clients such as Air Canada and the Alberta government. Larger applications were developed for dental offices and general practitioners. Over the past six years, Shana has moved away from custom applications and into the development of broader based commercial applications for the Macintosh.

The first product, Fast Forms, an entry level forms design package, was capable of drawing basic forms, with options to include things such as simple math calculations, and some formatting capabilities. The second product, Inside Out, a multi-user, relational database engine for developers, was released in 1986. Inside Out offers proven technology to developers and significantly reduces their development time. With guaranteed performance and reliability, developers are able to concentrate on the functionality of their applications rather than on the performance of the underlying database structures. The success of these products provide the support and experience necessary for the development of the "Informed" product line: Informed Designer, Informed Manager and Informed AutoForm.

Informed Designer(TM) enables one user to create professional quality forms for printing. The ability to add over 160 functions and to format data enables you to create intelligent forms that can be completed easily and accurately on a Macintosh. Informed Manager(TM) is used to fill-in forms that have been created with Informed Designer. Not only does Informed Manager make use of the intelligence added to the form in Informed Designer, it also has a built-in database which saves all forms so they can be completed, printed, edited, exported to another application, or manipulated at any time. Informed Autoform(TM) takes any form created in Informed Designer and turns it into a standalone application called Autoform. Like Informed Manager, Informed AutoForm also makes use of the intelligence added in Informed Designer. However, Autoforms are used for data entry only, with data being automatically sent to a storage location outside the form itself. Autoforms are excellent for people users on a network, surveys, questionnaires, or as the front end to data bases or spreadsheets.

Specialization
Forms design and management for the Macintosh.

R&D Activities
DBMS engines and form design.

Major Clients
Pepsi, NASA, McDonnell Douglas, AT&T, NIKE, Motorola, Lawrence Livermore Labs.

International Sales
Distributed through Merisel, MacWarehouse, MacConnection in North America. Worldwide distribution handled by Software Export Corp. in Boston. Participate in North American MacWorld Trade Shows, Comdex, others.

Products

Name	Description	Operating System	Year Int.	No.
• INFORMED DESIGNER	Forms design	Macintosh	1990	
• INFORMED MANAGER	Forms completion, data management	Macintosh	1990	
• INFORMED AUTOFORM	Forms completion, data entry	Macintosh	1990	

Silatech Microsystems Inc.

#204, 1950 - 10 Avenue S.W.
Calgary, Alberta
T3C 0J8

☎ 229-3142

229-0651

Executive Officer(s)
Dan MacKay *President*

No. of Employees in Alberta 1-5
Firm established in 1986
Firm started commercial software activities in 1986

Contact Person Dan MacKay

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- 68xxx, Z80

Operating Systems
- MS-DOS/PC-DOS
- QNX
- AMX, PSOS, MTOS

Programming Language
- Assembler
- C
- FORTRAN

Graphical User Interface
- GEM

Programming Environment
- CASE

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Operating systems

Office Automation
- Inventory control

Education & Training
- Diagnostics software

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Asset Management
- Data acquisition/ remote sensing/ etc.
- Energy management applications

Manufacturing Software
- Process control

Target Market

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Electrical equipment
- Electronic equipment industry
- Industrial equipment & machinery
- Petrochemical industry
- Pulp & paper industry

Service Industry
- Public utilities (hydro/ cable/ etc.)

Professional Services
- Engineering

High Technology
- Telecommunications

Company Profile & Focus

Silatech Microsystems is an Alberta-based company offering real time programming expertise to suppliers and end users of industrial data acquisition and control systems. Started in 1986 as a contract programming firm, Silatech has evolved into a supplier of complete turnkey data acquisition and control system software.

Silatech's programming staff is highly trained, and has a broad base of experience with many popular microprocessors, and all are proficient in C language programming, as well as FORTRAN and Assembler.

Specialization
Custom software development for all types of industrial process control, data acquisition and telecommunications systems.

R&D Activities
Development of advanced communications hardware and software for IBM-PC and compatible computers.

Major Clients
Westronic Inc., NOWSCO Well Service, TransAlta Utilities, Edmonton Power.

International Sales
USA, UK, Australia, Taiwan.

Products

Name	Description	Operating System	Year Int.	Alt.
●	Custom real time data acquisition and control software for microprocessor based Remote Terminal Units			
●	Real time control master station software for IBM-PC and compatible computers			
●	Custom software development services			

Simply Software Services Ltd.

#202, 1201 - 5 Street S.W.
Calgary, Alberta
T2R 0Y6

☎ 266-0061

266-6520

Executive Officer(s)
Paul Konyk
Marlyn Konyk

No. of Employees in Alberta	*1-6*
Firm established in	*1985*
Firm started commercial software activities in	*1987*

Contact Person Paul Konyk

Technical Environments

Operating Systems
- MS-DOS/PC-DOS
- UNIX

Programming Language
- C
- OOPS - C++ & all other

Programming Environment
- Clarion
- LANtastic

Add Ins
- to 1-2-3
- to word processing software

Applications

Graphics
- Graphics tools (digital video capture & processing/ screen icapture/ scanning/software

Communications
- Communications software

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Assets management
- Financial control/ planning
- Other accounting

Marketing & Sales
- Material/ stock management
- Merchandising & direct sales
- POS (point of sale) & order entry/ order processing
- Job cost

Asset Management
- Maintenance/ building/ machinery/ vehicles/ etc.

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Agriculture
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Clothing
- Construction & housing
- Electronic equipment industry
- Fabricated metal industry
- Food products
- Primary metal & mineral processing
- Pulp & paper industry
- Other transportation equipment
- Wood products

Service Industry
- Advertising & public relations industry
- Distribution/ wholesale services industry
- Food services industry (restaurants)
- Hospital & health clinics industry
- Insurance
- Public utilities (hydro/ cable/ etc.)
- Retail trade
- Tourism/ hotel industry
- Rail
- Trucking

Professional Services
- Accountants
- Administrators
- Business consulting
- Legal services / lawyers

Cultural Industries
- Cultural product distributors

Company Profile & Focus

Simply Software Services Ltd. is an Alberta-based company that develops and markets software for businesses that require more functional accounting software.

Simply Software was started in 1985 to provide complete systems support to personal computer users. During the period 1985 to 1988, Simply Software developed faster imaging (font cartridge) and device drivers for laser printers. Since 1987, Simply Software continues to be awarded various contracts for custom programming.

Simply Software introduced Omni PAK in the spring of 1990. Omni PAK incorporates the latest state-of-the-art windowing technology, and provides the corporate users with a 100% fit to their specific accounting system needs. Ongoing development ensures the client a long-term solutions.

Simply Software also has a variety of custom designed software products for a variety of industries. Such software includes: preventative maintenance, trade shows, insurance broker, pipe storage, trucking, wholesale distribution, video retail.

Notes & Comments

Omni PAK was successfully audited by the head internal control auditor of a large multi-national corporation.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ Omni PAK	Accounting software	DOS, UNIX	1990	

Simtech Consulting Services Ltd.

#1970, 205 - 5 Avenue S.W.
Calgary, Alberta
T2P 2V7

☎ 262-4885

• 263-8556

Branch Office

☐ Denver, CO

Executive Officer(s)

A. Settari *President*
P. J. Puchyr *Vice President*

No. of Employees in Alberta	*7-15*
Firm established in	*1982*
Firm started commercial software activities in	*1982*

Contact Person A. Settari

Technical Environments

Hardware Platforms

- Apollo
- DEC
- HP
- IBM
- 286 AT - all makes
- 386 486 - all makes

Operating Systems

- AIX
- HP-UX
- MVS
- MVS-SP
- MVS-TSO
- MVS-XA
- PC-DOS (same as MS-DOS)
- Sun-OS
- QNX
- UNIX
- XENIX
- VAX-VMS

Programming Language

- FORTRAN

Applications

Graphics

- Computer graphical user interfaces

Engineering & Science

- Mathematical applications/ simulation software
- Petroleum engineering

Target Market

Resource Industries

- Oil & gas extraction industry
- Oil & gas operators

Service Industry

- Oil & gas

Professional Services

- Computer/ software specialists/ MIS department
- Engineering

High Technology

- Computer software

Government & Education

- Federal government
- Municipal governments

Company Profile & Focus

Simtech is a leading supplier of petroleum engineering software products and consulting services. Simtech specializes in the development and application of reservoir and hydraulic fracturing simulation technology. Simtech markets and maintains commercial engineering software packages and performs engineering consulting services for a broad variety of petroleum engineering applications.

Specialization

Software R & D and consulting services for the petroleum industry.

R&D Activities

Current projects include a tar sands steam injection model, a perforation model and a numerical well test model.

Major Clients

Petro Canada, BP, OXY USA, AGIP, Petro Fina, Schlumberger, Nowsco, Fracmaster, AEC, Elf.

International Sales

Attends trade shows in the USA and Europe, employs agents in the UK and South America to enhance international marketing.

Products

Name	*Description*	*Operating System*	*Year Int.*	*Ab.*
■ DRS	Black oil reservoir simulator			
■ MULTIKIT	Compositional reservoir simulator			
■ DRS-STEAM	Thermal reservoir simulator			
■ NWT	Numerical well test model			
■ FRACANAL	Hydraulic fracturing software			
■ TARSIM	Tar sands steam injection simulator			
■ GRSMLT	Reservoir and surface network model			

Slideworks Inc.

10220 - 140 Street
Edmonton, Alberta
T5N 2L4

☎ 455-1179

452-5996

Executive Officer(s)
David Keeling

No. of Employees in Alberta	***1-4***
Firm established in	***1989***
Firm started commercial software activities in	***1989***

Contact Person David Keeling

Technical Environments

Hardware Platforms
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Graphical User Interface
- Windows

Applications

Graphics
- General graphics package/ draw/ paint/ drafting CAD (computer assisted design)
- Enhancing

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
Manufacturing & Processing Ind.
Service Industry
Professional Services
Government & Education
Cultural Industries

Company Profile & Focus

Slideworks Inc. is an Alberta-based company that creates and produces presentation graphics for all types of business needs.

The company started in 1989 as a service oriented firm to provide a means for professionals to take ideas, etc. and show them as slides, overheads or handouts.

Abilities have since expanded to provide an imaging centre for customer produced graphics.

Software Integration Services

10187 - 112 Street
Edmonton, Alberta
T5K 1M1

☎ 420-0424

420-0429

Executive Officer(s)
Dean Perry
Tessa Moulyn

No. of Employees in Alberta	*1-6*
Firm established in	*1988*
Firm started commercial software activities in	*1985*

Contact Person Dean Perry

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- BASIC
- C
- COBOL
- PASCAL

Programming Environment
- Clipper
- dBase & Clones
- Netware/ Advanced-Netware
- LANtastic

Add Ins
- to dBase

Applications

DP & Computer Sys. Applic.

Communications
- Communications software

Office Automation
- Inventory control

Applications (cont')

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Assets management

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Asset Management
- Hand held computer inpt

Miscellaneous
- Wand, bar code tech

Target Market

General Business
- General business/ public at large - all sectors

Manufacturing & Processing Ind.
- Chemical
- Food products

Service Industry
- Retail trade
- Tourism/ hotel industry

Professional Services
- Medical offices

Government & Education
- Federal government
- Provincial & state governments
- School boards

Company Profile & Focus

Software Integration Services Ltd. (SIS) provides consulting, training, support and software development services. The majority of work involves turnkey software applications. SIS consults with the client to determine their needs, designs and implements a software system, then provides training and continuing support. Some systems have been designed to use alternate input devices: bar code technology and hand-held computers make data entry and remote site processing simpler.

As well as custom systems, Software Integration Services has developed several inexpensive general use packages. The most popular is SISMENU, an application organizer. SISMENU allows all users, regardless of their experience, to run day-to-day applications with ease. It also provides computer use tracking and password protection for sensitive procedures.

Specialization
Custom software - developing individualized systems that meet the needs of clients.

R&D Activities
Portable to PC interfacing.

Major Clients
Federal government (Transport Canada), Alberta Agriculture, Alberta Environment, Edmonton Public School Board, Gainers, BBB and many small businesses.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ SISMENU	Application organizer	IBM PC/DOS	1986	1500
■ MOM	Medical office manager	IBM PC/DOS	1990	
■ FATS	Fixed asset tracking	IBM PC/DOS/PSION	1990	
■ Custom software for PCs				

Softwarehouse (West) Inc.

10230 - 108 Street
Edmonton, Alberta
T5J 1L4

☎ 429-4388

426-7110

Executive Officer(s)
Gary R. Ford *C E O*
Jane Sterk *Pres/Sec. Treasurer*

No. of Employees in Alberta	***25-49***
Firm established in	***1983***
Firm started commercial software activities in	***1983***

Contact Person Jane Sterk

Technical Environments

Hardware Platforms
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- Clipper

Programming Environment
- Clipper
- Netware/ Advanced-Netware

Applications

DP & Computer Sys. Applic.
- Data capture/ validation

Communications
- E-mail software

Accounting and Finance
- Inventory control

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Target Market

Service Industry
- Distribution/ wholesale services industry
- Retail trade

Company Profile & Focus

Started in 1983, Softwarehouse has a reputation for service and support, and has the largest selection of software books, accessories for Mac, IBM, UNIX in Edmonton. The company has grown from two employees in 1983 to 45 in 1990. Sales have increased from $115,000 in the first fiscal year to $6.5 million in 1990. Software development increases point-of-sale package for retail environment and Novell-ready multi-user system Software has Novell gold level installer.

Winner, 1989 Edmonton Chamber of Commerce Small Business Owner of the Year. Selected as one of Alberta Business 50 fastest growing companies, February, 1990.

Southern Computer Services Ltd.

107 - 1 Street W.
Brooks, Alberta
T0J 0J0

☎ 362-5884

362-4831

Executive Officer(s)
R. G. Breakell *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1985*
Firm started commercial software activities in	*1981*

Contact Person R. G. Breakell

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- BASIC
- Microshare BASIC

Programming Environment
- THOROUGHBRED
- Microshare BASIC

Applications

DP & Computer Sys. Applic.
Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Agriculture

Service Industry
- Public utilities (hydro/ cable/ etc.)

Professional Services
- Accountants

Company Profile & Focus

Southern Computer Services Ltd. (scs) has developed accounting software primarily used by gas co-ops to facilitate billing to their members and also receive management tools from the billing and customer data. This is the company's largest vertical market.

SCS also uses the G/L, A/R and A/P for any other small business which might require these and has a division which sells hardware and software not developed by the company.

Specialization

Natural gas /etail billing for natural gas co-op retailers in Alberta.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ G/L		MS-DOS/MICROSHARE /BASIC/Multi-user	1981	15
■ A/		"	"	3
■ A/R		"	"	16
■ GAS		"	1984	12

Spectrum 2000 Mindware Ltd.

Box 29, Site 3, RR 2
Rocky Mtn House, Alberta
T0M 1T0

☎ 845-2527

Executive Officer(s)
E. R. (Ross) Crain *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1987*
Firm started commercial software activities in	*1987*

Contact Person E. R. (Ross) Crain

Technical Environments

Hardware Platforms
- HP
- NEC

Operating Systems
- MS-DOS/PC-DOS

Programming Language
- Lotus BASIC

Graphical User Interface
- Keyboard, Screen

Programming Environment
- Lotus

Applications

DP & Computer Sys. Applic.

Target Market

Resource Industries
- Oil & gas extraction industry

Company Profile & Focus

Spectrum 2000 provides the best and least expensive log analysis system available.

Specialization
Log Analysis

R&D Activities
Software development for log analysis.

Major Clients
Adams Associates, ARC, Corexcal, B C Ministries of Petroleum, etc.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ META/LOG		MS DOS/HP	1984	20

Sprint Systems Consulting Ltd.

6 White Oak Place
St Albert, Alberta
T8N 3H4

☎ 458-8974

Executive Officer(s)
Janice Runyan

No. of Employees in Alberta	*1-6*
Firm established in	*1980*
Firm started commercial software activities in	*1980*

Contact Person Janice Runyan

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- PC-DOS (same as MS-DOS)

Programming Language
- Clipper

Graphical User Interface
- Windows

Programming Environment
- Clipper
- dBase & Clones

Applications

Word/ Text Processing
- Word processing

Connectivity
- Data Base Management Systems

Office Automation
- Human resources management
- Records/ document management

Accounting and Finance
- Billing & invoicing

Target Market

General Business
- General business/ public at large - all sectors

Service Industry
- Hospital & health clinics industry
- Leisure/ recreation & sports

Professional Services
- Medical offices
- Other health care professionnals

Government & Education
- Provincial & state governments

Company Profile & Focus

Sprint Systems develops custom software applications, primarily in Clipper, for the PC compatible environment. Major clients include the Alberta Government, health clinics and other business enterprises.

Specialization
Microcomputer Clipper application development.

Major Clients
Shell Canada, Province of Alberta, Department of Family Medicine (University of Alberta).

International Sales
Mail order sales to USA, Europe, etc. for recreational software.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ NAMES	Recall system	MS-DOS/PC compatible	1985	2
■ TASKMASTER	Soaring task generator	MS-DOS/PC compatible	1986	50+

Standard Computing

Box 22081, Banker's Hall P.O.
Calgary, Alberta
T2P 4J1

☎ 237-5290

Executive Officer(s)
Mark Rousseau *Owner*

No. of Employees in Alberta *1-6*
Firm established in
Firm started commercial software activities in *1983*

Contact Person Mark Rousseau

Technical Environments

Hardware Platforms
- IBM
- DEC
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- PC-DOS (same as MS-DOS)
- VAX-VMS

Programming Language
- APL
- BASIC
- C
- FORTRAN

Programming Environment
- dBase & Clones

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools

Asset Management
- Energy management applications

Target Market

Resource Industries
- Oil & gas extraction industry
- Insurance

Service Industry
- Banking & financial institutions
- Insurance

Professional Services
- Accountants

Company Profile & Focus

Standard Computing is involved in the design and implementation of computer application software and the sale of popular software. Past projects include the development of many oil and gas applications in the areas of economic analysis, financial analysis and planning and lease administration.

Projects in the insurance sector include the areas of actuarial analysis and programming support and policy administration. Applications have been developed using RBASE, DBASE, FOXBASE, APL, and C coupled with high performance database and screen management libraries.

Specialization
Policy administration (insurance); prospect evaluation (oil & gas); lease record administration (oil & gas).

R&D Activities
Evaluation of software and its practical application for a given business information need.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ LAND FILE*PLUS	Lease management software for the oil and gas business	DOS	1986	2

Standard International Training Centers

#404, 10010 - 106 Street
Edmonton, Alberta
T5J 3L8

☎ 428-0338

• 426-6042

Branch Office

☐ Calgary, AB

Executive Officer(s)

William J. Berry *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1983*
Firm started commercial software activities in	*N/A*

Contact Person William J. Berry

Technical Environments

Operating Systems
- UNIX
- XENIX

Graphical User Interface
- Open Look
- OSF/Motif
- X-Window

Applications

Education & Training
- Computer based training
- Courseware
- Unix/Xenix Training

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Petrochemical industry
- Pulp & paper industry

Target Market (cont')

Service Industry
- Environmental services
- Hospital & health clinics industry
- Insurance
- Air
- Rail

Professional Services
- Accountants
- Administrators
- Computer/ software specialists/ MIS department
- Engineering
- Legal services / lawyers
- Medical offices

High Technology
- Computer hardware
- Computer software
- Telecommunications

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards

Company Profile & Focus

Standard International is an Alberta-based company that specializes in professional instruction for UNIX-based computer systems and applications. Education is the company's only business and UNIX training is its speciality. Standard has two modern professional training centres, one in Edmonton and one in Calgary. The company provides a full spectrum of introductory and advanced training relevant to open UNIX system architectures including networking and windowing systems. Standard International has trained many major organizations throughout Alberta and Canada and is the recipient of SCO's highest achievement award for training excellence.

Specialization

Training courses for UNIX-based computing environments. Education is the company's only business.

Major Clients

Telephone industry, oil companies, government deptartments, engineering firms, school boards, consultants, computer resellers, software developers, legal & medical professionals, and numerous other commercial businesses.

International Sales

The company can deliver courses abroad or set exclusive sections for foreign clients with special needs.

Notes & Comments

Authorized SCO Education Centre for UNIX Training.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ Educational Courses Offered:				
■ Introduction to UNIX System V				
■ UNIX/XENIX System V Administration				
■ Basic System V Communication for UNIX				
■ UNIX System V Network Administrators				
■ Open Desktop Graphical Operating System				
■ Applied UNIX System V Administration Workshop				
■ Shell Programming for Administrators				

Sundance Software Inc.

#103, 279 Midpark Way S.E.
Calgary, Alberta
T2X 1M2

☎ 256-1228

• 256-3150

Executive Officer(s)
Ken Millar *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1987*
Firm started commercial software activities in	*1984*

Contact Person Ken Millar

Technical Environments

Hardware Platforms
- IBM
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- Assembler
- C

Graphical User Interface
- Custom

Add Ins
- to CAD

Applications

Engineering & Science
- Agricultural engineering software
- Architecture software tools
- CAE (computer aided engineering)
- Civil engineering software
- Engineering computational tools
- Forestry engineering software

Applications (cont')

- Mathematical applications/ simulation software
- Mining engineering software
- Surveying & mapping software
- Highways Eng. software

Target Market

Resource Industries
- Agriculture
- Forestry
- Mining
- Oil & gas extraction industry

Professional Services
- Computer/ software specialistr/ MIS department
- Engineering
- Surveying & mapping

High Technology
- Computer software

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- Universities & colleges
- Other educational institutions

Company Profile & Focus

Sundance Software Inc. is an Alberta-based company that develops and markets integrated engineering software for transportation, municipal, surveying, mining, railway, construction, forestry and other earthworks applications. The core package, known as EMXS surface compiler, incorporates all of the necessary routines required to design, maintain, and database any project in the most efficient fashion available. Sundance supports virtually all survey gathering methods (electronic survey, manual entry, digitized maps, photogrammetric, and ASCII file data from alternate computing systems).

The EMXS program is menu-driven, does complex template generation, multiple surfaces, cross sections, digital terrain modelling, on-screen graphics, unlimited point capacities, profile utilities, report generation, uploads to electronic field books, plotting and, although not required, LAN import files to AUTOCAD or VENSA CAD. EMXS has been successfully used in designing multilane freeways, tunnels, mines, subdivisions, construction projects, etc. and completed some of the largest and most complex projects in North America.

Specialization
Provides users with micro-independent engineering workstation with powerful features and support.

R&D Activities
Continually developing specialized software for specific engineering disciplines.

Major Clients
Alberta Transportation, Acres International Ltd., CN Rail, CP Rail, Explosives Technologies, Saskatchewan Highways, Stanley Associates Engineering Ltd., CH2M Hill Engineering Ltd., Delcan Engineering Ltd.

International Sales
USA; negotiating for extended distribution in the USA and Europe are presently ongoing and should be in place in 1992; direct and dealer network.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• Emxs Surface Compiler Volumetrics	Pertaining to recon design and construction of large earthen developments	MS-DOS	1984	300+
• Emxs Stockpiler	Simplified version of the above	MS-DOS	1989	50

SynerLogic Inc.

#500, 10123 - 99 Street
Edmonton, Alberta
T5J 3H1

☎ 423-9992

• 423-9995

Head Office

SynerLogic Inc.
500 - 185 The West Mall
Etobicoke ON
M9C 5L5

Branch Offices

- Calgary, AB
- Halifax, NS

Executive Officer(s)

Tom Healey *Managing Director*
R. C. Manson *Chairman of Board*

No. of Employees in Alberta	***50-100***
Firm established in	***1975***
Firm started commercial software activities in	***1978***

Contact Person Peter Vallers

Company Profile & Focus

Synerlogic, a major information systems consulting firm with offices across Canada, was founded in 1975. In 1988, Synerlogic was acquired by the Canadian partnership of Andersen Consulting and is now a member of the Andersen Consulting group of companies. Synerlogic has over 300 professional consultants. This is supplemented by 300 Canadian Andersen Consulting staff and 14,500 Andersen staff worldwide.

Synerlogic provides full system development life cycle support across many hardware and software platforms, and have remained independent of hardware and software vendors. This independence and an ability to draw on the cumulative knowledge of Synerlogic's staff members as well as clients' understanding and expertise allows the company to develop the most appropriate solutions for clients.

Synerlogic's key service is the application of expertise and ability. Services range from application development to management consulting in information related areas. Areas of specialization include: project management, systems development, systems integration, data communications and networking, business recovery planning, and systems management.

Major Clients

Syncrude, British Petroleum, AGT, Shell, provincial & federal governments.

Notes & Comments

Have opened Canadian Systems Management Centre. Clients have access to multiple hardware and software platforms through variety of private and public networks.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
• FOUNDATION	Computer Aided Systems Engineering	MS-DOS, PC		950
• METHOD/1	Structured automated systems development methodology	MS-DOS, PC		
• DESIGN/1	Integrated set of on-line software tools	MS-DOS, PC		
• INSTALL/1	Integrated implementation and support tool	MVS/XA, CICS, TSO/ISPF, MS-DOS, PC, COBOL II or OS COBOL		

Systematix Consultants Inc.

#308, 10310 Jasper Avenue
Edmonton, Alberta
T5J 1Y8

☎ 421-7767

• 428-1775

Branch Office
☐ Calgary, AB

Executive Officer(s)
Dennis W. Duggan *Associate*

No. of Employees in Alberta	***25-49***
Firm established in	***1987***
Firm started commercial software activities in	***N/A***

Contact Person Dennis Duggan

Technical Environments

Hardware Platforms
- Amdahl
- CDC
- IBM
- Unisys-Burrough-Sperry
- Data General
- DEC
- HP
- Prime
- Tandem
- WANG
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh
- Other Apple

Operating Systems
- AOS
- Apple Mac (Finder/MultiFinder)
- Apple DOS 3.3
- CP-M
- Micro-RSTS
- Micro-RSX
- MicroVMS
- MS-DOS/PC-DOS
- MVS
- OS-1100
- OS-2/OS-2-Extended
- OS-400
- RT-11
- Sun-OS
- ULTRIX
- UNIX
- XENIX
- VAX-VMS
- WANG-VS

Programming Language
- ALGOL
- APL
- Assembler
- BASIC
- C
- COBOL
- FORTRAN
- PASCAL
- PL/1
- Prolog
- RPG
- Natural

Graphical User Interface
- DEC Windows
- Windows

Technical Environments (cont')

Programming Environment
- CASE
- Clipper
- dBase & Clones
- Oracle
- Powerhouse
- ZIM
- ADABAS
- DB2
- CICS
- IDMS
- IMS/ IMS-DB/ IMS-DC
- RSTS/ RSTS-E
- SQL
- SSP
- Netware/ Advanced Netware
- TOPS

Add Ins
- to dBase
- to 1-2-3
- to word processing software
- to CAD
- to accounting software
- to operating systems

Applications

DP & Computer Sys. Applic.
- CASE methods and tools (computer aided software engineering)
- Computer languages 4GL (fourth generation languages)
- Data capture/ validation
- Data handling tools
- Operating systems
- Systems utilities

Word/ Text Processing
- DTP (desk top publishing)
- Word processing

Communications
- E-mail software
- Gateway/ communication networks

Connectivity
- Data Base Management Systems
- LAN (local area network)
- Micro-mainframe session handlers
- WAN (wide area network)

Spreadsheets
- Spreadsheets

Office Automation
- Agenda/ calendar
- Correspondence/ administrative document tracking
- EIS executive information systems
- Human resources management
- Inventory control
- MIS management information systems
- Project management
- Purchasing
- Records/ document management

Systematix Consultants Inc.

Applications (cont.)

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- Income tax
- FIS (financial information systems)
- Assets management
- Financial control/ planning
- Other accounting

Marketing & Sales
- POS (point of sale) & order entry/ order processing

Asset Management
- Data acquisition/ remote sensing/ etc.
- Energy management applications
- Environment related applications
- GIS (geographic information systems)
- Maintenance/ building/ machinery/ vehicles/ etc.

Manufacturing Software
- MRP (Material/Manufacturing Resource Planning)
- Process control
- Quality control

Engineering & Science
- Mathematical applications/ simulation software
- Mechanical engineering software
- Statistical applications software
- Structural analysis
- Surveying & mapping software

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Agriculture
- Forestry
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Chemical
- Construction & housing
- Electronic equipment industry
- Energy equipment
- Health care products industry
- Petrochemical industry
- Wood products

Service Industry
- Distribution/ wholesale services industry
- Environmental services
- Hospital & health clinics industry
- Insurance
- Public utilities (hydro/ cable/ etc.)
- Retail trade

Professional Services
- Business consulting
- Computer/ software specialists/ MIS department

High Technology
- Computer hardware
- Computer software
- Telecommunications

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments

Company Profile & Focus

Established in 1975, Systematix is now the fifth largest information technology services firm in Canada. From offices across Canada, more than 500 Systematix employees implement practical leading edge solutions for clients in information technology.

Systematix employs a wide variety of skills. A full-time staff of skilled technicians includes system engineers, database administrators, managers, information engineers, business analysts and planners.

Systematix is the largest privately-owned information technology services firm in Canada. Decisions are made locally as each branch is independent of others for marketing and operations. However, each branch operates as a team providing support for each other nationwide.

The Alberta branch of Systematix was established in 1987 and provides support to clients who have hardware from micros to mainframe computers with proprietary operating systems to UNIX-based operating systems. The company provides expertise with 3GLs (COBOL, PLI), 4GLs (ORACLE, POWERHOUSE), and databases (DB2, DMS, ADABAS).

Specialization
ADABAS/NATURAL, DB2, POWERHOUSE, IBM Mainframe, DEC/VAX.

Major Clients
Shell, AGT, EdTel, Syncrude, Suncor, Nova, Alberta Government.

T C Consulting Services

43 Edelweiss Crescent N.W.
Calgary, Alberta
T3A 3M5

☎ 239-6109

Executive Officer(s)
Teresa Chu *Owner/Consultant*

No. of Employees in Alberta *1-6*
Firm established in
Firm started commercial software activities in *1988*

Contact Person Teresa Chu

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- Concurrent DOS
- MS-DOS/PC-DOS

Programming Language
- FORTH

Applications

DP & Computer Sys. Applic.
- Data handling tools
- Search and retrieval software/ engines for DBMS's

Education & Training
- Courseware

Target Market

General Business
- General business/ public at large - all sectors

Company Profile & Focus

T C Consulting provides support and market software called INMAGIC, mainly for catalogue text information, which allows for easy retrieval. The company also markets and support' auxiliary software to be used with INMAGIC (Searchmagic, Bibloguide, etc.) to enhance its use.

The company will provide support and training in setting up the software for the clients, plus continue support after usage in the user company is established.

The software is used mainly in small libraries or used to index textual information. Users include medical libraries, record management, ligation support and specific purpose collection libraries.

The software is developed and maintained by Inmagic Inc. in Boston.

Specialization
Textual Information indexing, a vertical market that includes all sectors.

R&D Activities
Performed in the USA.

Major Clients
Large law firms, oil & gas industry, in-house libraries.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ INMAGIC		DOS	1980	
■ TESTMAGIC		DOS	1980	
■ SEARCH MAGIC		DOS	1990	
■ BIBLOGUIDE		DOS	1985	
■ INCASE GUIDE		DOS	1988	
■ MARC ADAPTOR		DOS	1990	

Taylor Industrial Software

#1002, 10045 - 111 Street
Edmonton, Alberta
T5K 2M5

☎ 482-7547

488-8032

Executive Officer(s)
Neil Taylor *President*

No. of Employees in Alberta	***50-100***
Firm established in	***1979***
Firm started commercial software activities in	***1981***

Contact Person Neil Taylor

Technical Environments

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- Assembler
- BASIC
- C

Applications

Education & Training
- Computer based training

Asset Management
- Data acquisition/ remote sensing/ etc.

Manufacturing Software
- Process control
- Robotics and automation/ materials handling

Target Market

Resource Industries
- Forestry
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- All

Professional Services
- Engineering

Company Profile & Focus

Taylor Industrial Software, a division of N. R. Taylor Engineering Ltd., is an Alberta-based company that develops and markets computer software for industrial applications.

The company was started in 1979 as a consulting engineering firm. In 1981, the company began to develop software to perform automatic documentation of ladder logic for programmable controllers. Since the introduction of the first product, the company has been successful in developing and marketing many products to support users of programmable controllers.

Taylor Industrial Software now has more than 4000 users in over 30 countries and has become one of the world leaders in this specialized field.

Taylor supports a number of models of PLC's including those from Allen-Bradley, Modicon, Texas Instruments, Mitsubishi and Toyota. Taylor's support software for Modicon 984 programmable controllers has been particularly successful in capturing more than one-half the North American market.

Specialization
Supply users of process control automation equipment (programmable controllers) with software products to help design, install, and maintain the equipment.

R&D Activities
Reverse engineering the communications and internal operation of programmable controllers, developing software to support this activity.

Major Clients
Companies throughout the world working with industrial automation such as Ford, Dupont, Shell Oil, Ralston Purina, Miller Brewing, Alcan.

International Sales
Markets directly or through dealers in over 30 countries. Initial contact made via advertising in specialized trade magazines or North American trade shows. Attends and exhibits at trade shows in Canada, USA and the UK.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ Off-line Programming Software for Programmable Controllers		MS-DOS		
■ Documentation Software for Programmable Controllers		MS-DOS		
■ On-line Programming Software for Programmable Controllers		MS-DOS		
■ Emulation of Programmable Controllers		MS-DOS		
■ Graphic Operator Station Software		MS-DOS		
■ Computer Aided Drafting Software		MS-DOS		
■ I/O Wiring Software		MS-DOS		
■ Manufacturing Resource Scheduling Software		MS-DOS		

Techsonix (Canada) Ltd.

#630, 840 - 6 Avenue S.W.
Calgary, Alberta
T2P 3E5

☎ 269-6007

• 265-8484

Head Office
Muggins Holdings Ltd.

Executive Officer(s)
Timothy J. Spiegal

No. of Employees in Alberta	***1-6***
Firm established in	***1986***
Firm started commercial software activities in	***1987***

Contact Person Tim Spiegal

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- PASCAL

Applications

DP & Computer Sys. Applic.
- Data capture/ validation

Graphics
- Graphics tools (digital video capture & processing/ screen/ capture/ scanning/software

Spreadsheets
- Spreadsheets

Office Automation
- Agenda/ calendar
- Project management

Asset Management
- Maintenance/ building/ machinery/ vehicles/ etc.

Engineering & Science
- Architecture software tools
- CAE (computer aided engineering)
- Surveying & mapping software

Target Market

Manufacturing & Processing Ind.
- Construction & housing

Service Industry
- Leasing
- Real estate

Professional Services
- Architects
- Engineering
- Surveying & mapping
- Quantity surveyors

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Company Profile & Focus

Techsonix (Canada) has supplied electronic digitizer and associated estimating software to the construction industry since 1987. The software is user friendly, and has been fully tested by Fanshewe College, London, Ontario.

New products include the Survey Master System that is a portable computerized system of constructing building measurement surveys employing a powerful error checking data captive program. A completed survey is transferred to a CAD system and, within minutes, can also be used to convert as-built drawings into CAD drawings.

Specialization
As-built drawings for existing buildings. Measurement and drawing of existing buildings.

Major Clients
Ellis Construction, Alberta Government.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ CANCOST	Construction estimating	IBM-PC, MS-DOS	1987	25

Teknica Petroleum Services Ltd.

#1100, 736 - 6 Avenue S.W.
Calgary, Alberta
T2P 3T7

☎ 269-4386

J 038-2672

• 266-4395

Head Office
Tekxel Ltd. United Kingdom

Executive Officer(s)
Mickey S. Abougoush *President*
Dr. Roy O. Lindseth *Exec. Vice President*

No. of Employees in Alberta	***50-100***
Firm established in	***1989***
Firm started commercial software activities in	***1989***

Contact Person Ron Larson

Technical Environments

Hardware Platforms
- IBM
- Sun
- 386 486 - all makes

Operating Systems
- UNIX
- VM-CMS

Programming Language
- C
- FORTRAN

Graphical User Interface
- X-Window

Programming Environment
- AI & expert system shell
- SQL

Applications

DP & Computer Sys. Applic.
- Search and retrieval software/ engines for DBMS's

Engineering & Science
- Petroleum Explore-Explo

Target Market

Resource Industries
- Oil & gas extraction industry

Professional Services
- Computer/ software specialists/ MIS department
- Engineering

High Technology
- Computer software

Company Profile & Focus

Teknica is an advanced company providing geological and geophysical interpretation, seismic processing, petrophysical, and software development services to the oil and gas industry. Teknica professionals provide innovative problem-solving techniques in all areas of hydrocarbon exploration. Advanced seismic data processing use the latest software developed at Teknica, and provide the geophysicist with high resolution seismic data for use in structural and stratigraphic areas, land and marine. Seislog advanced signal processing technology was pioneered by Teknica to extract lithologic and stratigraphic information from seismic data.

Seislogs offer geoscientists the ability to interpret stratigraphy within each subsurface layer and to determine porosity distribution and reservoir thickness. Full well analysis services are available, including digitizing, log evaluations of open hole, pulsed neutron, production logs, and problem wells. The company's petrophysical analysis provides an improved evaluation of both effective porosity and permeability. Teknica staff also have experience and capability in the design and implementation of integrated database systems for the petroleum industry. These systems involve the handling of data, information, and knowledge in all forms from paper to laser image to magnetic tape.

Another Teknica innovation, TEKXPERT software, offers the unique opportunity to process and interpret, in a computer workstation environment, the full range of geological and geophysical data available on exploration prospects. The product of a five-year R & D consortium supported by some 20 oil companies worldwide, TEKXPERT provides explorationists with unprecedented capabilities and control to process, integrate, and evaluate complex geological, geophysical, and well data quickly and effectively. The Educational and Technology Transfer Division provides hands-on training and seminars in digital seismic processing, Seislog stratigraphic interpretation, well log analysis, and the TEKXPERT integrated exploration system. Over the past 18 years Teknica has taken its expertise in petroleum exploration technology to over 47 countries. In the process, the company has assisted these countries in identifying and interpreting the reservoirs of hydrocarbons that fuel their homes, their industry and their economies.

Specialization
Integrated petroleum E/D software.

R&D Activities
Development of TEKXPERT. Integrated, interactive/batch petroleum E/D workstation software. More E/D applications on one platform than any other system available.

International Sales
One international representatives - currently active in N. Africa, Pakistan, E. Europe, S. America - have provided services/software to over 47 countries since 1972.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ TEKXPERT	Integrated petroleum exploration /development workstation	IBM, SUN	1988	5
■ LOGAN	Integrative petrophysical log analysis	IBM PC (386 +)	1983	100

The 10 Planner Corporation

#601, 324 - 8 Avenue S.W.
Calgary, Alberta
T2P 2Z2

☎ 264-1010

• 264-1069

Branch Office

☐ Toronto, ON

☎ 940-1510

Executive Officer(s)

Brian G. Harrington *President*

No. of Employees in Alberta	*7-15*
Firm established in	*1987*
Firm started commercial software activities in	*1988*

Contact Person Brian Harrington

Technical Environments

Hardware Platforms
- IBM
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- MVS
- MVS-TSO
- MVS-XA
- OS-2/OS-2-Extended
- VM/CMS

Programming Language
- C

Graphical User Interface
- Presentation Manager - PM
- Windows

Programming Environment
- SAA
- Netware/ Advanced-Netware

Applications

Office Automation
- EIS executive information systems
- MIS management information systems

Accounting and Finance
- FIS (financial information systems)
- Financial control/ planning

Target Market

General Business
- General business/ public at large - all sectors

Company Profile & Focus

The 10 Planner Corp. supplies computer-based solutions in the areas of integrated financial reporting, budgeting and long range planning. The company offers a computer software product, 10 Planner, which is aimed at financial end users who wish to develop their own financial applications. 10 Planner operates in many computer environments (DOS, OS/2, LAN's, IBM mainframes, etc.) and is technologically modern (written in the C language).

The 10 Planner tool requires very little training and can be used by financial personnel with minimal previous computer experience. The company also offers assistance to companies who want to have financial solutions built for them, or in a joint development mode with in-house staff and 10 Planner experts. Since the company's inception in 1986, these projects have been undertaken for clients such as noranda, Prudential Insurance, BCE, Magna International, the Liquor Control Board of Ontario, the Laurentian Group and many others. Many of these applications involve the electronic integration of existing accounting systems (general ledgers) with budget and strategic planning systems developed using 10 Planner.

The company is headquartered in Canada with offices in Calgary and Toronto. Major implementations of 10 Planner have also been done in South America (e.g. Colombia's largest financial services group of companies) and the United Kingdom (e.g. British Gas). These installations were made in a combined effort with client staff, 10 Planner staff, and in some cases management consultants (typically the client's auditing firm). The 10 Planner Corp. is Canadian privately-owned and managed.

10 Planner products and services are currently marketed via a direct sales force. New product releases, 24-hour hotline support, training seminars and application consultants are all available from the company. In addition, other firms offer training and application consulting for the 10 Planner product.

Specialization
Computer-based solutions in the areas of integrated financial reporting, budgeting and long range planning.

Major Clients
Noranda, Prudential Insurance, BCE, Laurentian Group, Magna, British Gas, Liquor Board of Ontario.

International Sales
Sell direct in Europe and South America; participate in Canadian and Alberta sponsored trade shows.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ 10 PLANNER	Decision support	DOS, OS/2, MVS, VM, VMS	1988	

The AND group Inc.

#1100, 940 - 6 Avenue S.W.
Calgary, Alberta
T2P 3T1

☎ 232-6211

• 266-6353

Branch Office

☐ Vancouver, BC

☎ 274-3643

Executive Officer(s)

Shawn Abbott *President*
Mike Duigou *Secretary/Treasurer*

No. of Employees in Alberta	*7-15*
Firm established in	*1989*
Firm started commercial software activities in	*1988*

Contact Person Neil G. Enock

Technical Environments

Hardware Platforms
- Apollo
- DEC
- NEXT
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems
- AU/X
- Apple Mac (Finder/MultiFinder)
- MS-DOS/PC-DOS
- Sun-OS
- VAX-VMS

Programming Language
- Assembler
- C
- OOPS - C++ & all other
- PASCAL

Graphical User Interface
- Mac
- NextStep
- Windows

Technical Environments (cont.)

Programming Environment
- 4th Dimension
- P. INK

Add Ins
- to operating systems

Applications

DP & Computer Sys. Applic.
- CASE methods and tools (computer aided software engineering)
- Data handling tools
- Data security/ encryption/ cryptography/ virus protection/ icopy protection
- Operating systems

Graphics
- Computer graphical user interfaces

Communications
- Augmented alternative

Miscellaneous
- Rehab. S/W (Access for)

Target Market

Professional Services
- Handicapped persons

High Technology
- Computer software

Company Profile & Focus

The AND group Inc., totally Canadian-owned, is a rapidly growing Macintosh development company dedicated to building reliable and cost efficient commercial software for corporations, software publishers and developers, and public sector clients.

The company provides complete development services including: needs assessment and analysis; project specification, planning and management; design, development and implementation; maintenance and future enhancement. Software development is a prime focus. Effectively integrated with this core business is the expertise to develop and deliver technical training and education related to software development and its application. In addition, executive and consultative services concerning technical, management and human resource aspects provide viable solutions to business problems and requirements.

R&D Activities

To produce interface which will allow disabled people to regain verbal communication using Macintosh; vendor data security; Kinuso represents a direction building on mature research of UDialogue.

Major Clients

Adobe Systems (USA), Apple Canada Inc., Apple Far East, Image Club Graphics Inc., MacVONK (Netherlands), NEC Technologies (USA), TransCanada Pipelines, AGFA Compugraphic (USA, Ireland), Elex Computer Inc. (South Korea).

International Sales

Direct sales only.

Notes & Comments

Working with Madenta Communications of Edmonton, Alberta, on the Macintosh interface that will gain disabled individuals a path to verbal communication.

Products

Name	*Description*	*Operating System*	*Year Est.*	*No.*

- Software development environments of Assembler, C++, Object
- Pascal, 68000, MPW and Think Development Systems.
- Instructional offerings consistent with the software development
- workshops and technical introductions to the Macintosh.
- Executive and consultative services which address the concerns of the decision makers.

The Arlington Consulting Group

#530, 10250 - 101 Street
Edmonton, Alberta
T5J 3P4

☎ 428-4470

428-3368

Executive Officer(s)
G. Blair Northfield *Principal*
John A. Buckley *Principal*

No. of Employees in Alberta	*7-15*
Firm established in	*1985*
Firm started commercial software activities in	*1985*

Contact Person G. Blair Northfield

Technical Environments

Operating Systems
- AIX
- MS-DOS/PC-DOS
- UNIX
- XENIX

Programming Language
- C
- COBOL
- Oracle

Graphical User Interface
- GEM
- Windows

Programming Environment
- Clipper
- dBase & Clones
- Oracle
- CICS
- Netware/ Advanced-Netware

Add Ins
- to operating systems

Applications

DP & Computer Sys. Applic.
- CASE methods and tools (computer aided software engineering)
- Computer languages 4GL (fourth generation languages)
- Data capture/ validation

Target Market

Service Industry
- Hospital & health clinics industry

Government & Education
- Provincial & state governments

Company Profile & Focus

The Arlington Consulting Group is an independent management consulting firm specializing in the field of information management and technology. The Group is comprised of senior consultants with demonstrated track records of successfully dealing with planning, managing and evaluating the growing investment in all forms of automation. The consulting practice is dedicated to the provision of objective, result-oriented and high quality services, that focus on interfacing management with technology.

The firm's principals, have established excellent reputations for dealing with a wide variety of information management issues, including the critical need to optimize and rationalize the growing investment in information systems and technology. Their sensitivity to providing a balanced emphasis on business, management and technology has been developed through a combined 38 years of industry experience, and responsibilities held at senior management levels of business, consulting and service organizations. Consulting practices reflect this philosophy and are committed to the belief that the information technology investment must be driven by, and supportive of, the client's business needs at both management and operational levels.

Consulting assignments are normally established at the senior management level of client organizations, where a solid framework can be developed to deal effectively with information technology issues within the context of management objectives and priorities. The ability to address client needs at a management level and maintain continuity throughout development and implementation initiatives has proven to be instrumental in ensuring that results appropriately respond to business requirements. The Arlington Consulting Group has established a number of unique and effective approaches to deal with consulting assignments and ensure maximum interaction with client groups. These include the use of environmental scans and focus group sessions to optimize the planning process and encourage high levels of synergy within client management and operational teams. The Group also applies proven methodologies to aspects of strategic planning, post implementation reviews and opportunity assessments.

Specialization
Strategic planning for business in all aspects of information technology.

R&D Activities
Project management of major development initiatives: Alberta Health Claims Redevelopment Project; Edmonton Telephones (Etcom Canada); Canadian Red Cross.

Major Clients
Alberta Attorney General, Alberta Health, Alberta Energy, Alberta Education (Learning Resources Distribution Centre), Alberta Family and Social Services, Alberta Municipal Affairs, Public Affairs Bureau, Alberta Solicitor General, etc.

Notes & Comments
Automated Planning Centre facility for use in group planning sessions.

The Training Group Inc.

#202, 4220 - 98 Street
Edmonton, Alberta
T6E 6A1

☎ 462-6365

450-0186

Branch Offices

- Toronto, ON
- Houston, TX

Executive Officer(s)

Dr. Donald W. Manuel *President*
Terrence E. Harrison *Vice President*
Betty Manuel *Vice President*

No. of Employees in Alberta	***25-49***
Firm established in	***1974***
Firm started commercial software activities in	***1987***

Contact Person Terry Harrison

Technical Environments

Hardware Platforms
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems
- Apple Mac (Finder/MultiFinder)
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- PC-DOS (same as MS-DOS)

Programming Language
- BASIC
- C
- Supercard, hypercard

Graphical User Interface
- Mac
- Windows

Programming Environment
- Oracle
- Supercard
- SQL

Add Ins
- to dBase
- to word processing software

Applications

DP & Computer Sys. Applic.
- Computer languages 4GL (fourth generation languages)
- Data capture/ validation
- Data handling tools

Graphics
- Computer graphical user interfaces
- General graphics package/ draw/ paint/ drafting CAD (computer iassisted design)
- Graphics tools (digital video capture & processing/ screen icapture/ scanning/software
- Animations

Word/ Text Processing
- Specialized editors
- Word processing

Education & Training
- Authoring languages
- Computer based training
- Courseware
- Information management

Target Market

Resource Industries
- Training in above

Manufacturing & Processing Ind.
- Automotive
- Chemical
- Primary metal & mineral processing
- Petrochemical industry
- Pulp & paper industry
- Wood products
- Training in above

Service Industry
- Environmental services
- Hospital & health clinics industry
- Training in above

Professional Services
- Medical offices
- Other health care professionnals
- Training in above

High Technology
- Computer hardware
- Computer software
- Defence & aerospace
- Telecommunications
- Training in above

Government & Education
- Federal government
- Provincial & state governments
- Universities & colleges
- Other educational institutions

Cultural Industries
- Audio/ film & video production

The Training Group Inc.

Company Profile & Focus

The Training Group Inc. has been a leader in custom training and information system development for over 15 years. A private, Canadian-owned company, TTG employs over 50 specialists and the latest in computing technology to provide: custom training system development: (modular, competency-based); integrated systems (procedures, drawings, safe-work practices, training modules, safety documentation, maintenance information, loss control); interactive video training systems (public information, training, simulation); training consulting (needs analysis, system design, development planning); trainer training (on-job coach, developers, co-ordinators); computer-based training system authoring (author training, software, systems integration, multi-media training, records and training management).

Specialization

CBT courseware development; interactive multimedia learning and presentation systems; interactive information systems.

R&D Activities

Computer managed learning; Integrated computer-based learning and information systems.

Major Clients

Esso Chemicals; Shell Canada Resources; Exxon Chemicals; MacMillan-Bloedel.

International Sales

USA - Exxon Corp.; USA - Medical interactive-video courseware; France - Exxon Corp.

Notes & Comments

TTG's business is primarily in the custom development of training and information solutions. Therefore, there is a large consulting component in sales.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ TTG SOLUTIONS				
	CML & Info manager	MAC	1988	20
■ MEDICAL COURSEWARE				
	8 titles	DOS-Tencore	1988	250
■ AUTHORWARE				
	CBT & multimedia authoring ystem	MAC	1991	

Total Computers Ltd.

521 - 5 Street S.
Lethbridge, Alberta
T1J 2B9

☎ 320-1448

Executive Officer(s)
Brian Roelofs *President*
Ted Hinman *Secretary/Treasurer*

No. of Employees in Alberta	*1-6*
Firm established in	*1979*
Firm started commercial software activities in	*1979*

Contact Person Ed Leavitt

Technical Environments

Hardware Platforms
- Alpha micro

Operating Systems
- Amos

Programming Language
- Assembler
- BASIC
- 4GL

Programming Environment
- Alpha Base
- P/Soft
- AMOS

Add Ins
- to accounting software
- to operating systems

Applications

DP & Computer Sys. Applic.
- Search and retrieval software/ engines for DBMS's

Word/ Text Processing
- Word processing

Spreadsheets
- Spreadsheets

Office Automation
- Agenda/ calendar
- Correspondence/ administrative document tracking
- Inventory control
- MIS management information systems
- Purchasing
- Records/ document management
- Scheduling
- School records

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll

Marketing & Sales
- Merchandising & direct sales
- POS (point of sale) & order entry/ order processing

Asset Management
- Maintenance/ building/ machinery/ vehicles/ etc.

Target Market

Manufacturing & Processing Ind.
- Automotive

Service Industry
- Trucking

Government & Education
- School boards

Company Profile & Focus

Information was not provided.

Specialization

Tire dealers, legal offices, school boards, livestock truckers.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ TICS	POS/inventory	AMOS/Alpha	1979	80
■ ALPHALAW	Legal office management	AMOS/Alpha	1987	21
■ TRUCKPAK	Livestock truckers	AMOS/Alpha	1985	10

Tri Tec Systems Ltd.

7928 - 128A Avenue
Edmonton, Alberta
T5C 1V4

☎ 476-2271

Executive Officer(s)
Richard Fylypiuk

No. of Employees in Alberta	*1-6*
Firm established in	*1989*
Firm started commercial software activities in	*1988*

Contact Person Richard Fylypiuk

Technical Environments

Hardware Platforms
- IBM
- IBM AS/400
- PC and XT(808x types)
- 386-486 - all makes

Operating Systems
- Concurrent DOS
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- OS-400

Programming Language
- BASIC
- COBOL
- FORTRAN
- RPG

Programming Environment
- SAA
- AS/400
- SQL

Applications

DP & Computer Sys. Applic.
- Computer languages 4GL (fourth generation languages)
- Operating systems
- Systems utilities

Word/ Text Processing
- Specialized editors
- Word processing

Communications
- Communications software
- Gateway/ communication networks
- Terminal emulation

Connectivity
- Data Base Management Systems
- LAN (local area network)

Applications (cont')

Office Automation
- Agenda/ calendar

Education & Training
- Computer based training

Accounting and Finance
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Forestry
- Utility

Manufacturing & Processing Ind.
- Wood products

Service Industry
- Public Utilities (hydro/ cable/ etc.)

Professional Services
- Accountants
- Computer/ software specialists/ MIS department

High Technology
- Computer software

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Cultural Industries
- Radio & television production and operation

Company Profile & Focus

Tri Tec Systems is a computer systems consulting company that specializes in the IBM System/38 and AS/400 hardware and software development.

Unexsys Systems Inc.

10219 - 112 Street
Edmonton, Alberta
T5K 1M7

☎ 433-3046

426-4300

Executive Officer(s)
Mark Stephen
David Kauffman
Gordon Derk

No. of Employees in Alberta	***10-24***
Firm established in	***1984***
Firm started commercial software activities in	***1984***

Contact Person Mark Stephen

Technical Environments

Hardware Platforms
- IBM
- AT&T
- Data General
- DEC
- HP
- NCR
- Prime
- Pyramid
- Tandem
- WANG
- Apollo
- MIPS
- NEXT
- Silicon Graphics
- All Unix machines
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- AIX
- AU/X
- HP-UX
- MicroVMS
- MS-DOS/PC-DOS
- OS-2/OS-2 Extended
- OS-400
- PC-DOS (same as MS-DOS)
- Sun-OS
- UNIX
- XENIX
- VAX-VMS
- VMS

Programming Language
- C
- Progress

Graphical User Interface
- OSF/Motif
- Presentation Manager - PM
- X-Window
- Windows

Programming Environment
- Progress
- 3COM
- Netware/ Advanced Netware
- StarLAN
- TOPS

Add Ins
- to accounting software

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools
- Data security/ encryption/ cryptography/ virus protection/ loopy protection

Communications
- Voice messaging software

Connectivity
- Data Base Management Systems
- EDI/ OSI software

Applications (cont.)

Office Automation
- Inventory control
- MIS management information systems
- Purchasing
- Records/ document management
- Scheduling

Education & Training
- Computer based training

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Payroll
- FIS (financial information systems)
- Assets management
- Financial control/ planning
- Other accounting
- Costing, POS

Marketing & Sales
- Material/ stock management
- Merchandising & direct sales
- POS (point of sale) & order entry/ order processing

Asset Management
- Maintenance/ building/ machinery/ vehicles/ etc.

Target Market

General Business
- General business/ public at large - all sectors

Manufacturing & Processing Ind.
- Automotive
- Clothing
- Construction & housing
- Electrical equipment
- Electronic equipment industry
- Energy equipment
- Fabricated metal industry
- Furniture
- Health care products industry
- Industrial equipment & machinery
- Leisure products
- Textile/ knitting industry
- Wood products

Service Industry
- Advertising & public relations industry
- Distribution/ wholesale services industry
- Hospital & health clinics industry
- Leisure/ recreation & sports
- Retail trade

Professional Services
- Accountants
- Administrators
- Business consulting
- Computer/ software specialists/ MIS department

Unexsys Systems Inc.

Target Market (cont')

High Technology

- Biotechnology
- Computer hardware
- Computer software
- Materials sciences
- Microelectronics

Government & Education

- Federal government
- Municipal governments
- Provincial & state governments

Company Profile & Focus

Unexsys Systems Inc. is a supplier of comprehensive accounting software, and a provider of full range of installation, staff training, and ongoing services tailored to meet the needs of clients. The company has a number of specialists in accounting, programming, operating systems and computer operation. These specialists are used to conduct the study required to ascertain client requirements, install the software and accounting system, train staff and provide ongoing support services. The company has come to recognize a strong need for competent and reliable sources of accounting software and installation and training services. The company's philosophy is twofold: provide solutions consisting of tried and tested accounting software, and then provide a professional level of installation, client staff training and exhaustive after sales service.

Specialization

Progress Database experts, UNIX experts, POS, wholesale & distribution software experts over multiple sites.

R&D Activities

Progress development tools, user environment development tools, costing tools.

Major Clients

Winroc Corporation, Northern Metallic, Horizon Village, Doghouse Kennel Supplies.

International Sales

Dealer representation in the USA and negotiations are underway for a dealer in Britain.

Products

Name	Description	Operating System	Year Int.	No.
G/L	General ledger	UNIX/DOS	1984	60
A/R	Accounts receivable	UNIX/DOS	1984	60
A/P	Accounts payable	UNIX/DOS	1984	60
I/M	Inventory management	UNIX/DOS	1984	60
S/O	Sales order	UNIX/DOS	1984	60
P/O	Purchase order	UNIX/DOS	1984	60
PAYROLL	Payroll	UNIX/DOS	1984	10
POS	Point of sale	UNIX/DOS	1984	20

UniCare Integrated Software Inc.

9629 - 103 Street
Edmonton, Alberta
T5K 0X9

☎ 424-3354

℻ 421-1215

Branch Office
☐ Toronto, ON

Executive Officer(s)
Kenneth Sigga *President & C E O*
Kevin Hynes *Vice President*
Edge King *Chairman*

No. of Employees in Alberta	10-24
Firm established in	1987
Firm started commercial software activities in	1989

Contact Person Kevin Hynes

Company Profile & Focus

UniCare Integrated Software, an Alberta-based company, is uniquely positioned to deliver highly integrated information systems to medium and large hospitals. Systems provide support for administrative, patient care and financial departments. A single, continuous development effort over 10 years has produced a network of applications that operate in interlinked harmony utilizing a single database. UniCare's corporate relationship with the 1300-bed University of Alberta Hospitals results in the development of full function hospital-tested products that meet the needs of sophisticated health care environments. All products operate on hardware provided by Tandem Computers.

Specialization
Provides total health information systems to medium and large scale hospitals.

R&D Activities
Research initiatives include the development of advanced resource management and quality improvement products.

Major Clients
Large-scale complex hospital organizations including University of Alberta Hospitals, Calgary District Hospitals Group, North York General Hospital.

Products

Name	Description	Operating System	Year Int.	No.
■ Patient Registration	For inpatients and outpatients		1982	10
■ Accounts Receivable	Integrated with patient records		1986	5
■ Human Resources/Payroll	Incorporating NonStop SQL		1989	3
■ Order Entry	From nursing units to multiple service departments		1984	6
■ Operating Room Scheduling	With advanced scheduling tools		1989	2

Unisun Ltd.

9933 - 147 Street
Edmonton, Alberta
T5N B6

☎ 453-6000

Executive Officer(s)
Samson Rohm *President*
Curt Farrell *V P - Marketing*

No. of Employees in Alberta *1-6*
Firm established in *1983*
Firm started commercial software activities in *1982*

Contact Person Samson Rohm

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)
- QNX
- UNIX
- XENIX

Programming Language
- APL
- Assembler
- BASIC
- C
- FORTRAN
- LISP
- OOPS - C++ & all other

Programming Environment
- Clipper
- dBase & Clones
- Oracle
- AI & expert system shell
- XQL
- Netware/ Advanced Netware

Add Ins
- to dBase
- to 1-2-3
- to word processing software
- to scientific
- to CAD
- to accounting software

Applications

DP & Computer Sys. Applic.
- Artificial intelligence software
- Assemblers/ compilers/ code translators
- CASE methods and tools (computer aided software engineering)
- Computer languages 4GL (fourth generation languages)
- Data capture/ validation
- Data handling tools
- Data security/ encryption/ cryptography/ virus protection/ icopy protection
- Search and retrieval software/ engines for DBMS's
- Systems utilities

Graphics
- Graphics tools (digital video capture & processing/ screen icapture/ scanning/software

Word/ Text Processing
- Specialized editors

Communications
- Communications software
- E-mail software
- Gateway/ communication networks
- Voice messaging software

Connectivity
- Data Base Management Systems

Applications (cont')

- LAN (local area network)
- Micro-mainframe session handlers

Spreadsheets

Office Automation
- Agenda/ calendar
- Correspondence/ administrative document tracking
- EIS executive information systems
- "Groupware"/ all variants
- Human resources management
- Inventory control
- MIS management information systems
- Project management
- Purchasing
- Records/ document management
- Scheduling

Accounting and Finance
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Assets management
- Property evaluation/ assessment

Marketing & Sales
- Merchandising & direct sales
- POS (point of sale) & order entry/ order processing

Asset Management
- Energy management applications
- Maintenance/ building/ machinery/ vehicles/ etc.

Miscellaneous
- Voice/ audio/ analysis/ and processing

Target Market

General Business
- General business/ public at large - all sectors

Resource Industries
- Agriculture
- Fisheries
- Forestry
- Mining
- Oil & gas extraction industry

Manufacturing & Processing Ind.
- Automotive
- Chemical
- Clothing
- Construction & housing
- Electrical equipment
- Electronic equipment industry
- Energy equipment
- Fabricated metal industry
- Furniture
- Food products
- Health care products industry
- Industrial equipment & machinery
- Leisure products
- Primary metal & mineral processing
- Petrochemical industry
- Pharmaceutical industry
- Pulp & paper industry
- Textile/ knitting industry

Unisun Ltd.

Target Market (cont')

- Other transportation equipment
- Wood products

Service Industry

- Advertising & public relations industry
- Banking & financial institutions
- Brokerage industry
- Distribution/ wholesale services industry
- Environmental services
- Food services industry (Restaurants)
- Hospital & health clinics industry
- Insurance
- Leasing
- Leisure/ recreation & sports
- Real estate
- Public utilities (hydro/ cable/ etc.)
- Retail trade
- Tourism/ hotel industry
- Air
- Marine
- Rail
- Trucking

Professional Services

- Accountants
- Administrators
- Architects
- Business consulting
- Computer/ software specialists/ MIS department
- Engineering
- Legal services / lawyers

Target Market (cont')

- News agencies/ journalists/ reporters
- Surveying & mapping
- Medical offices
- Other health care professionnals

High Technology

- Biotechnology
- Computer hardware
- Computer software
- Defence & aerospace
- Laboratories
- Materials sciences
- Microelectronics
- Telecommunications

Government & Education

- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges
- Other educational institutions

Cultural Industries

- Audio/ film & video production
- Cultural product distributors
- Cult. establ./ perf. arts/ etc.
- Newspapers publishers
- Performing arts industries (theatre/ dance)
- Publishing industry (books & magazines)
- Radio & television production and operation

Company Profile & Focus

Unisun Ltd.'s mandate is to produce "high technology hardware and software for sales and management professionals". Current revenues are from custom software development for government agencies and private companies.

R & D expenditures have culminated in Canadian and U.S. patents for a new form of data input device which replaces a mouse and a Qwerty Keyboard in one unit. This data input/pointing and positioning device (which is called a Trintor) is especially useful for hand-held or palm-sized computers due to its extremely small size. Current R & D focus is on software database products for hand-held computers, with special considerations for sales and marketing support and functionality.

Current business services provided by Unisun Ltd. include: custom dBase, Clipper and C program development on Novell networks with full multi-user capability.

Specialization

Custom database development.

R&D Activities

Trintor input device, enhanced Clipper/Novell development environment, software for hand-held computers.

Major Clients

Government of Alberta - Public Works, Supply & Services (Management Services); Sunburst Realty Network Centre; Government of Alberta Properties Inventories Project.

Products

Name	Description	Operating System	Year Int.	Rel.
■ TRINTOR	Data input/pointing & positioning device	All	1991	
■ BANNEROKI	PC/DOS/laser banner (12" high letters)	Generator	1991	
■ TASK & TIME	Client & time manager for sales people	PC/DOS	1991	

User's Choice Data Management Tech Ltd.

#100, 3553 - 31 Street N.W.
Calgary, Alberta
T2L 2K7

☎ 289-5520

FAX: 282-1238

Branch Office

☐ Edmonton, AB

Executive Officer(s)

Ricardo H. Persad *President*
Betty Persad *Director*

No. of Employees in Alberta	*1-6*
Firm established in	*1989*
Firm started commercial software activities in	*1989*

Contact Person Ricardo Persad

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- Concurrent DOS
- PC-DOS (same as MS-DOS)

Programming Language
- Assembler
- C
- Clipper, FoxPro

Graphical User Interface
- Windows

Programming Environment
- Clipper
- dBase & Clones
- Networx/ Advanced Netware
- LANtastic

Add Ins
- to dBase

Applications

DP & Computer Sys. Applic.
- Data handling tools

Word/ Text Processing
- Word processing

Connectivity
- Data Base Management Systems
- LAN (local area network)

Spreadsheets
- Spreadsheets

Office Automation
- Agenda/ calendar
- Scheduling
- Document tracking

Accounting and Finance
- Integrated accounting
- G/L (general ledger)
- A/P (accounts payable)
- A/R (accounts receivable)
- Billing & invoicing
- Income tax
- Assets management
- ACCPAC series

Engineering & Science
- Statistical applications software
- Estimating

Target Market

Manufacturing & Processing Ind.
- Health care products industry

Service Industry
- Hospital & health clinics industry

Professional Services
- Medical offices
- Other health care professionals

Company Profile & Focus

User's Choice Data Management is an Alberta-based company that specializes in the development of data management and financial systems for small businesses. User's Choice has a background in medical and hospital environments as well as many other businesses. The current focus is to provide office automation and billing systems for medical and health clinics in Alberta and across Canada.

Specialization

Business systems, customization and design especially for the health care industry.

Major Clients

Companies throughout Canada in the health care industry, specifically Calgary General Hospital, Royal Columbian Hospital (New Westminster BC), Canadian Back Institute and many private clinics.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ CHIRO	Chiropractors billing and office management	PC-DOS	1989	3
■ PHYSIO	Physio therapy office billing and management	PC-DOS	1988	9
■ PHYSIO II	Physio system for private clinics	PC-DOS	1990	13
■ QUICK CART	O.R. booking and case cart management	PC-DOS	1988	2
■ CUSTOMIZED PACKAGES				

Virtual Computing Services Ltd.

#1560, 10303 Jasper Avenue
Edmonton, Alberta
T5J 3N6

☎ 425-4680

℻ 420-1889

Head Office

Virtual Computing Services Ltd.
#100, 801 - 6 Avenue S.W.
Calgary, Alberta
T2P-3V8

☎ 266-7440

℻ 264-5718

Executive Officer(s)

Hans Doerr *President*
Rick Chandler *Branch Manager*
Chris Jones *Calgary Manager*

No. of Employees in Alberta	***16-24***
Firm established in	***1980***
Firm started commercial software activities in	***1980***

Contact Person Rick Chandler

Technical Environments

Hardware Platforms
- DEC
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh

Operating Systems
- MS-DOS/PC-DOS
- VAX-VMS

Programming Language
- Assembler
- C
- COBOL
- FORTRAN
- PASCAL

Graphical User Interface
- Windows

Programming Environment
- Clipper
- dBase & Clones
- Oracle
- Oracle for Macintosh
- Netware/ Advanced-Netware

Add Ins
- to dBase

Applications

DP & Computer Sys. Applic.
- Systems utilities

Graphics
- Graphics tools (digital video capture & processing/ screen capture/ scanning/software

Target Market

Resource Industries
- Oil & gas industry

Service Industry
- Real estate

Government & Education
- Universities & colleges

Cultural Industries
- Cultural product distributors
- Cult. establ./ perf. arts/ etc.
- Museums

Company Profile & Focus

Virtual Computing Services Ltd. is an Alberta based company with offices in Calgary and Edmonton. Virtual's research and development facilities include VAX, IBM-PC and Macintosh computers and a comprehensive library of software development tools.

Virtual in Edmonton was opened in 1984 to meet the needs of the public and private sectors. Since 1988, efforts have concentrated on developing expertise in serving the museum community. Recently, Virtual has begun the development of multimedia applications for IBM personal computers. The Calgary office maintains several databases for on-line services to oil and gas industry clientele. These include well production data, general well data, crown land data and direction well survey data. The services include phone-in data requests, production data book publications, digital data subscriptions, consulting, map data production and service bureau services such as VAX Timesharing, data conversion, disaster recovery and technical consulting for systems Management, programming and database technology.

Specialization

Software for image processing and multimedia applications.

R&D Activities

Software development pertaining to geographic information systems and image processing.

Major Clients

Museum information system customers include: University of Alberta, Alberta Sports Hall of Fame, Alberta Culture and Multiculturalism.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ CLIO	Museum inventory	IBM-PC/DOS	1989	
■ Various utility software and mapping applications for DEC VAX				
■ WISER (Western Information System for Energy esources)	Well production history, general well data, well status, AOFP system			
■ PNGR (Petroleum and Natural Gas Rights)	Land data system for western Canada, historical land data; current land sale activity			
■ DISDA (Directional Survey Database)	Unique well survey system with PC graphics software			
■ Other - Canadian Petroleum Association (CPA)	Reserves Data development and maintenance			

WNDX Corporation

#305, 1550 - 8 Street S.W.
Calgary, Alberta
T2R 1K1

☎ 244-0995

244-1039

Executive Officer(s)
Kevin M. Greenwood *President*

No. of Employees in Alberta	***7-15***
Firm established in	***1988***
Firm started commercial software activities in	***1990***

Contact Person Kevin M. Greenwood

Technical Environments

Hardware Platforms
- Apollo
- Data General
- DEC
- HP
- IBM
- MIPS
- Silicon Graphics
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes
- Macintosh
- Tandy except PC/AT/386

Operating Systems
- AIX
- Apple Mac (Finder/MultiFinder)
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- PC-DOS (same as MS-DOS)
- Sun-OS
- UNIX
- XENIX

Technical Environments (cont')

Programming Language
- C

Graphical User Interface
- Open Look
- OSF/Motif
- Presentation Manager - PM
- X-Window
- Windows

Add Ins
- to dBase
- to operating systems

Applications

Graphics
- Computer graphical user interfaces

Word/ Text Processing
- Specialized editors

Target Market

High Technology
- Computer hardware
- Computer software

Company Profile & Focus

The WNDX Corporation is a privately-owned business incorporated in Alberta. The company has developed a computer software technology that enables software manufacturers and authors to quickly create the graphical-user-interface portion of a software application on one computer system and, by simply re-compiling their source-code, move the graphical application to many different computer systems. Without WNDX, a software developer has to develop its application for each and every operating system/hardware combination its customer might use. This could mean developing two or more versions of a single product. Prior to the WNDX technology, cross-platform portability was considered an insurmountable obstacle standing in the way of maximizing the market penetration for GUI-based software applications. With WNDX, major software houses and the software development departments of large corporations can maintain their existing development budget and increase their market size, possibly by an order of magnitude.

Specialization
Provides software tools for developers needing to build human computer interfaces on multiple hardware/software platforms.

R&D Activities
Leading edge technology into portability and re-usability of complex graphical software.

International Sales
European distribution via Programmer's Shop (Germany).

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ WNDX for DOS		PC DOS, 8086	1990	1000
■ WNDX for 16-BIT DOS		PC DOS, 80286	1990	200
■ WNDX for 32-BIT DOS		80386, 486	1991	50
■ WNDX for MS-WINDOWS		286, 386	1991	50
■ WNDX for UNIX/X-WINDOWS		Data General, Sun Spare	1991	10
■ WNDX APPLICATION		Construction environment	1991	

Western Industrial Systems Ltd.

#111, 9650 - 20 Avenue
Edmonton, Alberta
T6N 1G1

☎ 461-5193

[•] 428-5376

Executive Officer(s)
John M. Antonio *President*

No. of Employees in Alberta	*1-6*
Firm established in	*1987*
Firm started commercial software activities in	*N/A*

Contact Person John Antonio

Technical Environments

Hardware Platforms
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- Concurrent DOS

Programming Language
- BASIC
- FORTRAN
- LISP

Applications

Graphics
- Autocad

Engineering & Science
- Mechanical engineering software

Target Market

Manufacturing & Processing Ind.
- Fabricated metal industry
- Petrochemical industry

Professional Services
- Engineering

High Technology
- Computer software

Government & Education
- Universities & colleges

Company Profile & Focus

Western Industrial Systems Ltd. (WISL) is a new company formed to facilitate the marketing of an existing pressure vessel design & estimating software program integrated with a computer aided drafting (P V C CAD) software program.

These integrated programs will estimate and design pressure vessels to ASME code requirements, develop a list of materials, calculate labor and overhead costs and ultimately draw the vessel on a plotter utilizing data input on a one-time basis.

Market research to date indicates that there are no known software packages competitive with this program in North America. A recent market survey conducted by Woods Gordon indicates that in Canada and the United States there are approximately 10,500 pressure vessel manufactures, many of whom would be potential clients.

Specialization
Design - estimating and drawing of pressure vessels to ASME code.

Major Clients
SAIT, Barber Industries, Wells Hall, Braeside.

International Sales
USA.

Products

Name	*Description*	*Operating System*	*Year Int.*	*Mil.*
■ PVC	Design, estimating, drawing	386/DOS	1987	7

Western Research

1313 - 44 Avenue N.E.
Calgary, Alberta
T2E 6L5

☎ 291-1313

250-2610

Branch Offices

- Denver, CO
- Houston, TX

Executive Officer(s)

Joe Lukacs *Vice Pres-Bovar*
Walter Krawciw *General Mgr/Pas*
Sam Secretary *Chief Accountant*

No. of Employees in Alberta	*50-100*
Firm established in	*1965*
Firm started commercial software activities in	*1985*

Contact Person John A. Sames

Technical Environments

Hardware Platforms
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- PC-DOS (same as MS-DOS)

Programming Language
- C

Applications

Engineering & Science
- Engineering computational tools
- Mathematical applications/ simulation software

Target Market

Resource Industries
- Oil & gas extraction industry

Government & Education
- Universities & colleges

Company Profile & Focus

Western Research is a pioneer in the field of gaseous sulphur species analysis. Twenty-five years ago, when industry began to ask for more accurate process information, Western Research met these demands by developing a range of consulting and testing services for sulphur recovery units. From this work the company went on to develop process and source emission analyzer systems that have become industry standards.

The sulphur recovery industry continues to demand better answers to its process problems. Western Research continues to find these answers. Growth over the past two decades has come from a commitment to industry to provide accurate information and effective solutions.

As a result, producers the world over count on Western Research when making major capital decisions on installations or modifications to process units.

Specialization
Analysis and service to the sour gas processing and refining industry in the area of sulphur recovery technology.

R&D Activities
Sulphur analytical.

Major Clients
Shell, Exxon, Mobil, Aramco.

International Sales
Agents and offices in Canada, USA, FRG, UAE, Australia, Chile, China, France, India, Israel, Italy, Japan, Kuwait, Mexico, Norway, Saudi Arabia, Singapore, Spain, Sweden, USSR, the UK, Venezuela.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ SULSIM(R)	Sulphur Plant Simulator		1985	145

Willowglen Systems Ltd.

Willowglen Bus. Park,
#4 Manning Cl. N.E.
Calgary, Alberta
T2E 7N5

☎ 272-1800

℻ 272-2114

Branch Offices

❐ Marina Del Rey, CA

☎ 306-8049

❐ West Midlands, UK

☎ 384-7015

Executive Officer(s)

Fergus Byrne *President*
J. Malcolm Milne *Vice President*

No. of Employees in Alberta	***50-100***
Firm established in	***1974***
Firm started commercial software activities in	***1974***

Contact Person Bryan Williamson

Technical Environments

Hardware Platforms
- Sun

Operating Systems
- Sun-OS
- Custom

Programming Language
- C

Graphical User Interface
- Open Look
- SCADACOM

Applications

DP & Computer Sys. Applic.
- Operating systems

Engineering & Science
- Process automation

Target Market

Resource Industries
- Oil & gas production

Service Industry
- Public utilities (hydro/ cable/ etc.)

Company Profile & Focus

Willowglen Systems Ltd. is a private company, wholly-owned in Alberta. Willowglen specializes in the design, manufacture, and installation of SCADA (Supervisory Control and Data Acquisition) systems for monitoring and controlling the operation of electric distribution, petroleum pipeline, water, transportation, and other systems.

Willowglen's systems have been installed in many countries in various industrial sectors. Some of the most significant projects were: Water treatment and transportation in California; Housing development control system in Singapore; and two petroleum related control systems in the Soviet Union.

Willowglen has grown steadily from approximately $1 million in 1980 to about $20 million in 1990. Willowglen's success is due mainly to its ability to provide a complete turnkey solution to the customer's problem.

Specialization

Software is a combined real-time operating system and process control (SCADA) package.

R&D Activities

Software development of real-time operating system and SCADA application package.

Major Clients

Metropolitan Water District of Southern California, Housing Development Board of Singapore, Petro Canada.

International Sales

Up to the present time sales have been direct. Future sales will also incorporate sales through VAR's. Sales to USA, Singapore, China, USSR, Hong Kong, Malaysia, Italy, Yugoslavia.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*

- Highly sophisticated computerized remote control systems.
- Microprocessor bases RTUs complete with a variety of software packages designed and manufactured by Willowglen.
- Communications controllers with a variety of interfaces for satellite, radio, microwave and telephone line communications.
- Control centre systems in a variety of configurations to suit each customer's requirements.
- Standard real-time workstations which acquire and display data in real-time.

Xentel Inc.

#410, 417 - 14 Street N.W.
Calgary, Alberta
T2N 2A1

☎ 283-7206

[•] 270-4565

Executive Officer(s)
Michael T. Dodd *President*
P. Leonard Wolstenholme *Vice President*
Geoffrey J. Pickering *Secretary /Treasurer*

No. of Employees in Alberta	*1-6*
Firm established in	*1988*
Firm started commercial software activities in	*1987*

Contact Person Len Wolstenholme

Technical Environments

Hardware Platforms
- PC and XT(808x types)
- 286 AT - all makes
- 386 486 - all makes

Operating Systems
- MS-DOS/PC-DOS
- OS-2/OS-2-Extended
- UNIX

Programming Language
- C

Graphical User Interface
- Project specific

Add Ins
- to dBase
- to word processing software

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools

Word/ Text Processing
- Voice, speech recog/tra

Communications
- Gateway/ communication networks
- Voice messaging software

Office Automation
- Voice, speech recog/tra

Education & Training
- Computer based training
- Comp. oper. by speech

Marketing & Sales
- Market research
- Material/ stock management
- Merchandising & direct sales
- POS (point of sale) & order entry/ order processing

Miscellaneous
- Voice/ audio/ analysis/ and processing

Target Market

Resource Industries
- Oil & gas extraction industry

Service Industry
- Banking & financial institutions
- Environmental services
- Food services industry (restaurants)
- Public utilities (hydro/ cable/ etc.)
- Retail trade
- Tourism/ hotel industry
- Air
- Trucking

Professional Services
- Administrators
- Business consulting
- Legal services / lawyers
- News agencies/ journalists/ reporters

High Technology
- Telecommunications

Government & Education
- Federal government
- Municipal governments
- Provincial & state governments
- School boards
- Universities & colleges

Cultural Industries
- Newspapers publishers
- Radio & television production and operation

Xentel Inc.

Company Profile & Focus

Xentel specializes in research and development of interactive voice response and voice mail systems and applications. Applications to date are order entry, reservations, credit verification, customer service and market research. Xentel Systems currently handle and process hundreds of thousands of telephone calls daily in Canada and the USA.

The company is also Canada's leading applications developer for large vocabulary, free-text speech and voice recognition systems, and distributes Dragondictate(TM) speech recognition and transcription systems in Canada.

Xentel focuses on designing applications which are specifically tailored to clients' and end users' needs. No two are the same. Every installation has been a success by clients' standards.

Specialization

Hardware/software integration for interactive voice response, voice mail, and speech recognition & transcription.

R&D Activities

Interactive voice response systems & speech recognition in management applications.

Major Clients

Moffatt Broadcasting, City of Calgary, federal government, University of Alberta, University of Calgary, Ontario government, GWE Consulting Group Ltd.

International Sales

Dealers for IVR systems on both Pacific & Atlantic coasts of the USA.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ TMS	Golf tee reservation & management system	UNIX or MS-DOS/PC AT	1989	10
■ RADIO INCOM	Listener hotline system	UNIX or MS-DOS/PC AT	1989	10
■ TV INCOM	TV viewer hotline system	UNIX or MS-DOS/PC AT	1989	1
■ PEOPLE POLLS	Mass market consumer data gathering & promo	UNIX or MS-DOS/PC AT //Mainframe UNISYS	1988	8
■ DRAGONDICTATE	Speech recognition & transcription systems	MS-DOS/MICROS	1988	16
■ DRAGON WRITER	Small vocabulary speech recognition systems	MS-DOS/MICROS	1986	

XI Canada Ltd.

#500, 630 - 4th Avenue S.W.
Calgary, Alberta
T2P 0J9

☎ 262-6570

262-4688

Branch Offices
☐ Lethbridge, AB

Executive Officer(s)
Phil Oldale *President*
Steve Fulkerson *Vice President/G.M.*
Ken Davies *Vice President*

No. of Employees in Alberta	***16-24***
Firm established in	***1989***
Firm started commercial software activities in	***1989***

Contact Person Steve Fulkerson

Technical Environments

Hardware Platforms
- IBM

Operating Systems
- AIX
- MS-DOS/PC-DOS

Programming Language
- C
- DBase, Progress

Graphical User Interface
- X-Window
- 4GL Progress

Applications

Communications
- Proprietary file transfer

Office Automation
- Scheduling - Medical Application

Accounting and Finance
- Billing and invoicing (medical)

Target Market

Service Industry
- Hospital and health clinics industry

Professional Services
- Medical offices

Company Profile & Focus

XI Canada was incorporated in August 1989 after purchasing ACT Medical Systems Inc. from ACT Computer Services in Edmonton. The company provides software/services to health care practitioners in Alberta focusing on the provision of medical billing through Alberta Health Care.

The future involves redevelopment of the product line using new technology (i.e. RISC, AIX, PROGRESS), and then moving into other provinces.

Specialization
Software for medical practitioner offices as well as clinics to handle billing/appointment scheduling, etc.

R&D Activities
Early development on IBM RS-6000 under AIX.

Major Clients
1400 practitioners in Alberta

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ DataMed	Medical billing service bureau	-	1972	150
■ MicroMed	PC-based medical billing	DOS/286	1987	60
■ MiniMed	RS-6000	AIX	1990 Under development	

Zycor Canada

#1150, 144 - 4 Avenue S.W.
Calgary, Alberta
T2P 3N4

☎ 263-6700

265-5698

Head Office

Zycor Inc.
220 Foremost Drive
Austin TX
787-45

☎ 282-6699

280-6731

Branch Offices

☐ London, UK

☐ Kuala Lumpur, Malaysia

Executive Officer(s)

Jim Downing *President*
Mary Daniel *Vice President*
Dale Davis *Vice President*

No. of Employees in Alberta	*1-6*
Firm established in	*1979*
Firm started commercial software activities in	*1979*

Contact Person Janet Hicks

Technical Environments

Operating Systems
- AIX
- HP-UX
- MS-DOS/PC-DOS
- MVS
- MVS-TSO
- Sun-OS
- ULTRIX
- UNIX
- VAX-VMS

Programming Language
- C
- FORTRAN

Graphical User Interface
- DEC Windows
- OSF/Motif
- X-Window

Applications

DP & Computer Sys. Applic.
- Data capture/ validation
- Data handling tools

Engineering & Science
- Surveying & mapping software

Target Market

Resource Industries
- Oil & gas extraction industry

Service Industry
- Environmental services

Professional Services
- Surveying & mapping

Government & Education
- Provincial & state governments
- Universities & colleges

Company Profile & Focus

Information was not provided.

Specialization

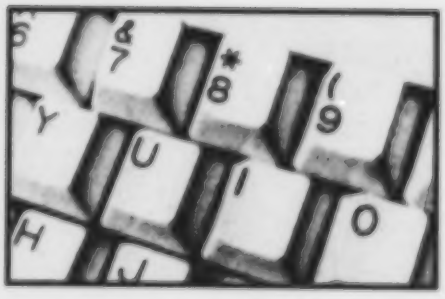
Mapping and modeling software development and sales.

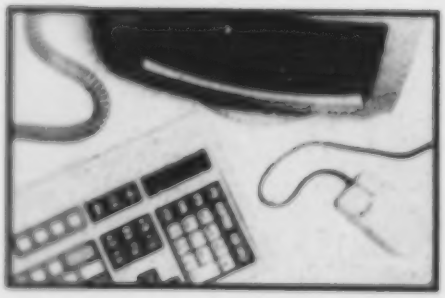
Major Clients

AMOCO, BP, CNOBP, Chevron, Cogla, Conoco, ERCB, Home, Husky, Kerr McGee, L L & E, Mark Resources, Philips Petroleum, Rozsa, Shell, Veritas.

Products

Name	*Description*	*Operating System*	*Year Int.*	*No.*
■ Z-MAP PLUS	Mapping and modeling	UNIX, VAX VMS	1989	
■ Z-MAP	Mapping and modeling			
■ S-MAP	Basemapping			
■ PCMS	PC based mapping	MS-DOS		


Y
U
I
O
H



Executive Officers

Abbott, Shawn	President	The AND group Inc.
Abougoush, Mickey S.	President	Teknica Petroleum Services Ltd.
Allan, Brian W.	Secretary/Treasurer	Applied Terravision Systems Inc.
Ambrose, Glen G.	Vice President	Fekete Associates Inc.
Anderson, Tom		Micros In Business Inc.
Anger, Clifford D.	President	Itres Research Ltd.
Annable, C. D.	President, C O O	Canuck G I E Engineering Ltd.
Antonio, John M.	President	Western Industrial Systems Ltd.
Armitage, David L.	President	GeoGraphix Inc.
Armitage, Gina	Treas/Vice President	GeoGraphix Inc.
Arnold, Ron	Dir. Int. Marketing	Axion Spatial Imaging Ltd.
Atkins, Linda M.	Secretary/Treasurer	Micrologic Limited
Atkins, Robert C.	President	Micrologic Limited
Babey, Stephen K.	Head - Systems Eng.	Itres Research Ltd.
Balogun, Alexander	President	Customers Choice Ltd.
Barichello, Joan C.	President	Deltek Software Systems Ltd.
Barnhart, Terry J.	Vice President	Canex Exploration Services Ltd.
Barnicoat, C. E.	V P-Information Sys	CU Services, a Division of Canadian
Barrow, Paul	Vice President	B K B Engineering Ltd.
Bennett, Dale A.	President	I R M Systems Inc.
Bennion, Christine		Res-Soft Technologies Inc.
Bennion, D. Brant		Res-Soft Technologies Inc.
Berg, Ben	President	DataSpan Technology Inc.
Berry, William J.	President	Standard International Training Centers
Biagion, Gary	President	B & B Computer Applications Ltd.
Biagioni, Gary	Secretary/Treasurer	Compusets Data Systems Ltd.
Bickell, Alan D.		Hewlett-Packard (Canada) Ltd.
Biensch, David J.	Vice President	Deltek Software Systems Ltd.
Biggs, Kenneth	President & C E O	UniCare Integrated Software Inc.
Blackshaw, Robert A.	President & C E O	Keyword Office Technologies Ltd.
Blinston, Gordon	President	B K B Engineering Ltd.
Boone, Donald W.	V P & General Mgr.	Keyword Office Technologies Ltd.
Boulton-Mills, Mark		R S I Retail Solutions Inc.
Bowden, Ian W.	President	Aurora Bar Code Technologies Ltd.
Bowden, Jack	Secretary/Treasurer	C M S Corporate Management Systems Ltd.
Bowyer, R. Craig	Secretary	International Software Systems Inc.
Brand, Dietmar	President	Marimex Industries Ltd.
Brar, Gurmeet S.	President	Fekete Associates Inc.
Breakell, R. G.	President	Southern Computer Services Ltd.
Breslawski, Joseph	President	C D Pubco Inc.
Brown, Allan	Treasurer	A I S Consulting Ltd.
Bruce, William	Chairman - C E O	Canuck G I E Engineering Ltd.
Buckley, John A.	Principal	The Arlington Consulting Group
Buller, H.		Rinax Systems Ltd.
Bullock, B. L.	President & C E O	Intera Information Technologies Corp.
Burney, Jim	Director	Datrek Hospitality Systems Ltd.
Burney, Jim	President	Inter-Soft Systems Ltd.
Burney, Ned	President	Datrek Hospitality Systems Ltd.
Butler, D. Bruce	President	Nichols Advanced Technologies Inc.
Bykewich, T.	President	C R B Data Systems Ltd.
Byrne, Fergus	President	Willowglen Systems Ltd.
Cameau, Alf H.	President	A. Comeau & Associates Ltd.
Canning, T. C.	V P - Business Dev	Amtek Testware Div. of Atlantic Research
Caplan, Barry	Vice President	MAConsultants
Carr, L. P.	President	Lawgic Computer Systems Inc.
Casey, Tom	Controller	Nortech Surveys (Canada) Inc.
Chamberland, Paul Andre	Managing Director	Expert Simulations Inc.
Chan, Lewis		DataPath Support Group Inc.
Chandler, Rick	Branch Manager	Virtual Computing Services Ltd.
Chandler, Ward	President	Optical Data Systems Inc.
Chapman, Donald G.	President	International Software Systems Inc.
Chase, Kenneth	V P - Marketing	Lawgic Computer Systems Inc.
Chevalier, Gerry M.	President	Promek Consulting Ltd.
Christie, C.		Christie Communications
Christie, R. N.		Christie Communications

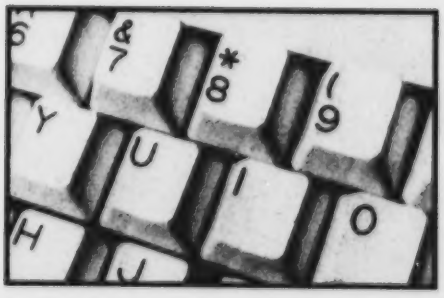
Chu, Teresa	Owner/Consultant	T C Consulting Services
Clelland, Denis	C E O	D K W Systems Corporation
Clifford, Alan	President	Saiga Systems Inc.
Cobbe, George B.		Hewlett-Packard (Canada) Ltd.
Coles, Fred C.	Chairman of Board	Applied Terravision Systems Inc.
Corbett, Stephen J.	Executive V P	Keyword Office Technologies Ltd.
Coulson, Garry L.	President	Co-Design Information Systems Ltd.
Courtney, Brian	Vice Chairman - CEO	Oracle Corporation Canada Inc.
Cox, Brian	Partner	Dataworks Inc.
Crago, Tim J.	President	Nortech Surveys (Canada) Inc.
Crain, E. R. (Ross)	President	Spectrum 2000 Mindware Ltd.
Crepin, P.Ag., Jean	President & C E O	Norwest Labs
Cross CPP, Allan	V P - Mrk. & Sales	P P M 2000 Inc.
Daniel, Mary	Vice President	Zycor Canada
Davidson, Greg	President	G M A
Davies, Ken	Vice President	XI Canada Ltd.
Davis, Dale	Vice President	Zycor Canada
Demcoe, J. Robertson	C E O	Lawgic Computer Systems Inc.
Denhartog, Ted	C E O	D & S Knowledge Systems Inc.
Derk, Gordon		Unexsys Systems Inc.
Desouza, E. A.	Vice President	Neotechnology Consultants Ltd.
Di Pietro, Robert	President	Micro Imaging Ltd.
Dodd, Michael T.	President	Xentel Inc.
Doerr, Hans	President	Virtual Computing Services Ltd.
Dong, Randy	Director of Tech.	Expert Simulations Inc.
Doublet, Philip J.	President	Chronologic Systems Inc.
Downing, Jim	President	Zycor Canada
Ducros, Pierre Y.	Chairman - C E O	D M R Group Inc.
Duggan, Dennis W.	Associate	Systematix Consultants Inc.
Duigou, Mike	Secretary/Treasurer	The AND group Inc.
Dyck, Gordon	Marketing Manager	Kelman Seismic Processing Inc.
Easton, N.		Rinax Systems Ltd.
Eggen, R. J.	Partner-in-Charge	Peat Marwick Thorne Information Systems
Ell, P. Eng., R. A. (Bob)	Business Development	Hinz Consulting Ltd.
Elored, Revett	Chairman/Treasurer	Minerva Technology Inc.
Ennis, Gene	C E O & President	Landmark Graphics Canada Ltd.
Enns, James		Global Enterprise System Support Group
Ewasuik, David	President	E F A Software Services Ltd.
Farrell, Curt	V P - Marketing	Unisun Ltd.
Fichtner, Larry C.	President	Canex Exploration Services Ltd.
Fick, Gavin R.	Secretary	I R M Systems Inc.
Field, Anthony J.	Development Manager	Co-Design Information Systems Ltd.
Finch, Michael		Micro Systems Unlimited
Fisher, Bill	President	D & S Knowledge Systems Inc.
Fitzgerrald, K.	V P - Operations-Ca	S N C Inc.
FitzPatrick, Arthur	President	FitzPatrick Engineering Ltd.
Ford, Gary R.	C E O	Softwarehouse (West) Inc.
Foster, Ralph		Generation 5 Technology Canada
Fulkerson, Steve	Vice President/ G.M.	XI Canada Ltd.
Fylypiuk, Richard		Tri Tec Systems Ltd.
Gamer, Abram	Principal Consultan	Sequoia Information Systems Ltd.
Garbutt, Bob	President	Jonas & Erickson Software Technology Inc
Gatha, Arun	Exec. V P/C O O	A C T C Technologies Inc.
George, Ronald	President - C E O	A C T C Technologies Inc.
Gerry, G.	V P - Western Canad	S N C Inc.
Gordyko, Theodore	Director	Compudata Systems Consulting Inc.
Graham, John P.	President	Mitre Software Corporation
Grainger, Garth	President	Candella Group
Greenwood, Kevin M.	President	WNDX Corporation
Gregory, G. A.	President	Neotechnology Consultants Ltd.
Grigel, W. S.	Director/N. America	E C L Petroleum Technologies
Grimm, P. Eng., Ed	Vice President	Hinz Consulting Ltd.
Groshong, Willis	President	G D S & Associates Systems
Gulutzan, Peter D.	President	Ocelot Computer Services Inc.
Gunn, Gary	President	Info-Eze Inc.
Haarstad, Rod	Secretary/Treasurer	B K B Engineering Ltd.
Hagel, Marvin		Hagel M W Consulting Ltd.
Hagel, Sharon		Hagel M W Consulting Ltd.

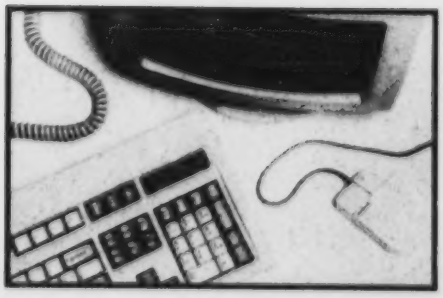
Hagen, Robert	Branch Manager	Power Stations
Hamilton, Keith A.	President	Keith Hamilton Computer Consulting Ltd.
Hamilton, Steven R.	General Manager	Keith Hamilton Computer Consulting Ltd.
Hampson, Dan	President	Hampson - Russell Software Services Ltd.
Hancock, Arlene	Principal	Mountain Marketing Group (Cariden)
Hancock, Chris	Principal	Mountain Marketing Group (Cariden)
Harefah, Fauzi		Canesia International Inc.
Harrap, Kenneth	Vice President	FirstClass Systems Corp.
Harrington, Brian G.	President	The 10 Planner Corporation
Harrison, Blaine	President	H M Computer Systems Inc.
Harrison, Terrence E.	Vice President	The Training Group Inc.
Hauge, Dallas	Dir. of Marketing	Datek Industries Ltd.
Healey, Tom	Managing Director	SynerLogic Inc.
Heerema, John	President	Andromeda Computer Systems Ltd.
Heerema, R. E.	Vice President	Andromeda Computer Systems Ltd.
Henkelman, Wayne	C F O	D K W Systems Corporation
Hinman, Ted	Secretary/Treasurer	Total Computers Ltd.
Hinz, P. Eng., Wilf	President	Hinz Consulting Ltd.
Hlobka, Don		Lakewood Systems Ltd.
Hollens, Bryan	President	Comgen Software Services Ltd.
Horrider, Richard	Member of Board	Auto-Administrator Int'l Inc.
Horward, Peter	Secretary/Treasurer	Auto-Administrator Int'l Inc.
Hotzel, Stuart	President	I C L Isometrics Consulting Ltd.
Howell P. Eng, D. Gordon	President	Howell Mayhew Engineering Inc.
Humeniuk, Lori		Brysco Services
Humeniuk, Victor		Brysco Services
Hurd, Douglas R.		R S I Retail Solutions Inc.
Hynes, Kevin	Vice President	UniCare Integrated Software Inc.
Jackson, Derek		Cadmatic Canada Inc.
Jackson, Stan	President	Cansel Survey Equipment Ltd.
Jain, Sudhir	President	Commonwealth Geophysical Development Co. Ltd.
James, Kelvin	President	Biomech Designs Ltd.
Javeri, Yusef	President	D K W Systems Corporation
Jensen, Mike	Vice President	Riley's Datashare International Ltd.
Johnson, Wayne M.	Vice President	Ifres Research Ltd.
Jones, Chris	Calgary Manager	Virtual Computing Services Ltd.
Jones, Keith L.	President	Jones Agricomp Services Ltd.
Karsteadt, Marc A.	President	Fazer Systems Inc.
Kashuba, Buddy	President	Quest Consulting Group Inc.
Katyal, Suresh	President	Kaydex Systems Ltd.
Katyal, Usha	Exec. Vice President	Kaydex Systems Ltd.
Kauffman, David		Unexsys Systems Inc.
Keeling, David		Slideworks Inc.
Kelly, Don W.	Vice President	A. Comeau & Associates Ltd.
Kelman, Garry	President	Kelman Seismic Processing Inc.
Kiefer, S. W.	Mgr-Business Develo	CU Services, a Division of Canadian
King, Edge	Chairman	UniCare Integrated Software Inc.
King, Phillip	Vice President	Precise Systems Corp.
Kleiner, Ken		Elan Consulting Group Inc.
Kletke, Catherine M.	President	Computeta Systems Consulting Inc.
Knopke, Harold		Aspen Computing Solutions Ltd. Edmonton
Knopke, Shirley		Aspen Computing Solutions Ltd. Edmonton
Kolodziejzyk, Greg	C E O	Image Club Graphics Inc.
Konyk, Marlyn		Simply Software Services Ltd.
Konyk, Paul		Simply Software Services Ltd.
Kowand, Siegfried	President	El-Kow Software Systems Inc.
Kraft, Harvey A.	V P - Operations	Accounting by Graphics (Int'l) Inc.
Krahn, John	C E O	Geo-Slope International Ltd.
Krawciw, Walter	General Mgr/Pac	Western Research
Krushelnicki, Richard		Krushelnicki & Spykar
Kubinski, John		Cadmatic Canada Inc.
Kushniruk, Dwayne	President	Comsoft Inc.
Kuzyk, Georgina		Micro Computer Systems Training Centre
Kwok, C.A., Henry	President	Kwok Consulting Group Ltd.
Laerz, S. Eric		Reath Laerz Associates Ltd.
Lai, Eric K. C.	President	Bethel Software Inc.
Lai, P. Eng, Allen	Director, Technical	Kwok Consulting Group Ltd.
Lakeman, Elizabeth	Vice President	Integrated Systems Applications Corp.

Lakeman, Grant	President	Integrated Systems Applications Corp.
Lalonde, Marc		Micro Systems Unlimited
Landow, Phil	Reg. V P - Canada	Jonas & Erickson Software
Technology Inc		
Laroche, Nick	President	Accounting by Graphics (Int'l) Inc.
Laskin, Kim	V P - General Mgr.	Optical Data Systems Inc.
Lazaruk, L. A. N.	President	C M S Corporate Management Systems Ltd.
Lee Chuy, Simon		Global Enterprise System Support Group
Lee, Leslie		Res-Soft Technologies Inc.
Lindenbach, Jamie	President	A I S Consulting Ltd.
Lindseth, Dr. Roy O.	Exec. Vice President	Teknica Petroleum Services Ltd.
Link, Brian	Processing Manager	Kelman Seismic Processing Inc
Lloyd, Pam	V P/Secretary	Humana Training Centres Inc
Lloyd, Rob	President	Humana Training Centres I...
Lukacs, Joe	Vice Pres/Bovar	Western Research
Lundeen, D. G.	President	D G L Software Services Ltd.
Macht, Deidre A.		D-Tech-T Inc.
Mackay, Dan	President	Silatech Microsystems Inc.
Mackie, Dan R.	President	Daniel Computing Systems Inc.
Maidlow, J. Lance		Generation 5 Technology Canada
Majko, David	Secretary	A I S Consulting Ltd.
Manion, R. C.	Chairman of Board	SynerLogic Inc.
Manuel, Betty	Vice President	The Training Group Inc.
Manuel, Dr. Donald W.	President	The Training Group Inc.
Marlin, Douglas G.	President	J D A Software Services Ltd.
Martin, William R.	Marketing Manager	Micro Imaging Ltd.
Massie, Bruce	Partner	Price Waterhouse
Matson, Gisele	Secretary/Treasurer	Matson Computing Inc.
Matson, Merv	President	Matson Computing Inc.
Mattar, Louis	Vice President	Fekete Associates Inc.
Mayhew P. Eng, William J.	Vice President	Howell Mayhew Engineering Inc.
Mazuryk, Joyce A.	Secretary/Treasurer	Mazuryk Petroleum Consulting Ltd.
Mazuryk, Walter J.	President	Mazuryk Petroleum Consulting Ltd.
McAllister, Barbara	Executive V P	CIFE, Canadian Institute of Formation Evaluat
McClare, Laurie	V P & Gen. Mng.	Amtek Testware Div. of Atlantic Research
McConnell, Alma	C E O	Novate Enterprises Inc.
McGee, John	President	G M T Software Systems Ltd.
McGhie, Carie	Advisor	Mountain Marketing Group (Cariden)
McGill, Christina	President	BenchMark Technologies Ltd.
McKitrick, Sue	Secretary/Treasurer	Associated Stationers
McKitrick, Terry	President	Associated Stationers
McLachlan, Wayne	Secretary/Treasurer	G W N Systems Inc.
McLean, Gordon D.		Hewlett-Packard (Canada) Ltd.
McMillan, W. R.	V P - Operations-Ed	S N C Inc.
McMullen, J. J.	Operations Manager	DATAP Systems
McNeill, Brian	President	Cipher Systems Ltd.
Melenka, Desmond	Secretary	Quest Consulting Group Inc.
Merali, Shabir	Vice President	Inter-Soft Systems Ltd.
Meyer, Frank L.	President	Computer Modelling Group
Mickelsen, Stephen	President	Apogee Systems Corp.
Milburn, Peter	President	MAConsultants
Milinusic, Tomislav	President	Axion Spatial Imaging Ltd.
Millar, Ken	President	Sundance Software Inc.
Miller, Robert	V P - Operations	Image Club Graphics Inc.
Miller, Steve	President	Minerva Technology Inc.
Milne, J. Malcolm	Vice President	Willowglen Systems Ltd.
Misner, Steven	President	CIFE, Canadian Institute of Formation Evaluat
Moore, John G.	C E O	Precise Systems Corp.
Morgan, Hardy	Chief Financial Off	Landmark Graphics Canada Ltd.
Morin, Michel	Secretary/Treasurer	C D Pubco Inc.
Morris, Craig	Principal	Hyprotech Ltd.
Morton, Robert J.	Partner	Chronologic Systems Inc.
Moulyn, Tessa		Software Integration Services
Mouratidis, Ken	President	Microlynx Systems Ltd.
Muirhead, Al	Vice President	H M Computer Systems Inc.
Munro, R. G.	President	Munro Engineering Inc.
Murphy, Don	President	Shana Corporation

Murphy, Janice	Vice President	Marimex Industries Ltd.
Murphy, John	V P/Marketing	Shana Corporation
Nelson, A. B.	President	ESTec Systems Corp.
Newman, Ron	Vice President	G M A
Ng, Dr. Heng-Joo	President	D B Robinson and Associates Ltd.
Northfield, G. Blair	Principal	The Arlington Consulting Group
O'Sullivan CPP, Denis	President	P P M 2000 Inc.
Oldale, Phil	President	XI Canada Ltd.
Oliphant, Gordon	Vice President	MAConsultants
Oliver, Vernon		Generation 5 Technology Canada
Orletsky, Terry	V P - Product Devel	Comsoft Inc.
Pearkins, CSP, Jon E.	President	Certified Software
Pearson, David	Vice President	I C L Isometrics Consulting Ltd.
Pelletier, Jerry	President	ImaTeq Systems Corporation
Pelzer, Trudy	General Manager	Ocelot Computer Services Inc.
Perry, Dean		Software Integration Services
Persad, Betty	Director	User's Choice Data Management Tech Ltd.
Persad, Ricardo H.	President	User's Choice Data Management Tech Ltd.
Pickering, Geoffrey J.	Secretary/Treasurer	Xentel Inc.
Plewes, Don	President	Riley's Datashare International Ltd.
Poon, Ray	V P - Technical	P & A Computer Corp.
Price, Owen	Vice President	Price & Waddingham Computer Systems Inc.
Pringle, R. Clive	Vice President	C M S Corporate Management Systems Ltd.
Puchyr, P. J.	Vice President	Simtech Consulting Services Ltd.
Quigley, Curtis	Vice President	Precise Systems Corp.
Rachar, Gord		Sector Software Inc.
Rakow, CDP, IS, Hans J.	Principal	Abacus Computer Service
Razzaghi, Dr. Minoo	Manager-Software Eng.	D B Robinson and Associates Ltd.
Reath, Peter F.		Reath Laerz Associates Ltd.
Rebar, George		Safeguard
Reimer, Kenneth	Mgr. Software Devel	FirstClass Systems Corp.
Ribeiro, A. R. V.	President	G W N Systems Inc.
Rimstad, N.	Vice President	C R B Data Systems Ltd.
Robin, Don M.	President	Dyad Systems Group Ltd.
Roelofs, Brian	President	Total Computers Ltd.
Rohm, Samson	President	Unisun Ltd.
Rosborough, Steve E.	Vice President	Deltek Software Systems Ltd.
Rousseau, Mark	Owner	Standard Computing
Roy, J. Alain	Vice Chairman/V Pre	D M R Group Inc.
Runyan, Janice		Sprint Systems Consulting Ltd.
Russell, Brian	Vice President	Hampson - Russell Software Services Ltd.
Ruthenberg, Mark	President	Humana Computer Support Inc.
Rutledge, Art G.	V P - M I S	Novate Enterprises Inc.
Sadler, Bob	Treasurer	Riley's Datashare International Ltd.
Sandau, Greg	Partner	Dataworks Inc.
Sceviour, Paula	Secretary/Treasurer	Panda Systems Ltd.
Sceviour, Philip	President	Panda Systems Ltd.
Schmaltz, R. A.	Dir-Market & Sales	DATAP Systems
Schneider, Stewart	Exec. Vice President	QByte Services Ltd.
Schoepter, Ray	President	Auto-Administrator Int'l Inc.
Schulze, Karl		Elan Consulting Group Inc.
Scurfield, Sergei	President	Ninga Software Corporation
Secretary, Sam	Chief Accountant	Western Research
Sekulic, C.M.A., Deborah	Secretary/Treasurer	Kwok Consulting Group Ltd.
Senger, Tim	V P - Development	Shana Corporation
Serra, J. W.	V P - Marketing	E C L Petroleum Technologies
Settari, A.	President	Simtech Consulting Services Ltd.
Shinduke, Kevin	Regional Manager	Power Stations
Simon, Allan	President	Compudoc Systems Ltd.
Sinclair, David		Nucleus Data Systems Inc.
Singh, Raj	President	Logic Resources
Skapski, Bo	Vice President	Cansel Survey Equipment Ltd.
Slugoski, Dale	Managing Director	General Computer Systems (Genesys) Ltd.
Smelquist, Ken		Lakewood Systems Ltd.
Smith, Charles D.	Vice President	Canex Exploration Services Ltd.
Snowie, Robert W.	President	Pelican Software Ltd.
Soule, Stephen	Principal Consultan	Sequoia Information Systems Ltd.

Spiegal, Timothy J.		Techsonix (Canada) Ltd.
Spyker, Clifford		Krushelnicki & Spyker
Spyker, Clifford		Micros In Business Inc.
Standen, James A.	President	Auscan Data Services
Standen, Sheri L.	Vice President	Auscan Data Services
Starreveld, Yves	President	C S I Custom Solutions Inc.
Stephen, Mark		Unexsys Systems Inc.
Stephenson, P. R.	V P - Marketing	ESTec Systems Corp.
Sterk, Jane	Pres/Sec. Treasurer	Softwarehouse (West) Inc.
Stevenson, P.E. James M.	Proprietor	Generation Systems
Strode, Ken	Chief Operating Off	Landmark Graphics Canada Ltd.
Svrcek, Bill	Principal	Hyprotech Ltd.
Szikora, Joseph	P. Eng	Engineered Systems
Taylor, I. F.	Vice President	E C L Petroleum Technologies
Taylor, Neil	President	Taylor Industrial Software
Tempany, Bill	President	QByte Services Ltd.
Thomas, Vic R.	V P-General Manager	DATAP Systems
Thompson, Don W.	V P - Marketing	J D A Software Services Ltd.
Tongue, Kenneth	President	FirstClass Systems Corp.
Townsend, Mark	Vice President	C D Pubco Inc.
Towson, Don E.	Chairman	Computer Modelling Group
Tretiak, Robert W.	President	Applied Terravision Systems Inc.
Usher, Ken	Vice President	C S I Custom Solutions Inc.
Van der Zee, Peter	President	Datek Industries Ltd.
Vogel, John	President	Compuseis Data Systems Ltd.
Vysniauskas, Tony	Principal	Hyprotech Ltd.
Waddingham, Mike	President	Price & Waddingham Computer Systems Inc.
Walker, Tim	General Manager	G D S & Associates Systems
Wanless, Brent	Mgr. Special Projec	Nortech Surveys (Canada) Inc.
Wattling, David M.	President	E D M Management Systems Inc.
Wellington, Don		Nucleus Data Systems Inc.
Westcott, Brian	V P - Operations	A C T C Technologies Inc.
Wester, John	Partner	Chronologic Systems Inc.
White, Jeremy P.	Executive Manager	Ninga Software Corporation
Wilson, Roger H.	Secretary/Treasurer	Promek Consulting Ltd.
Wittacker II, William	Secretary/Manager	GeoGraphix Inc.
Wittenberg, Stan H.	President	Novate Enterprises Inc.
Wolstenholme, P. Leonard	Vice President	Xentel Inc.
Wong, Dan	V P - Operations	P & A Computer Corp.
Wong, David V.	President	Compu-Group Consultants Inc.
Wood, J. D.	President - C E O	CU Services, a Division of Canadian
Woods, Kevin	President	K C Woods & Associates Ltd.
Woodward, R. S.	VP, CFO & Sec/Treas	Intera Information Technologies Corp.
Wray, William N.	Vice President	Canuck G I E Engineering Ltd.
Wrenshall, J.		Rinax Systems Ltd.
Yau, Tom	Treasurer	Quest Consulting Group Inc.
Yee, Fred	President	P & A Computer Corp.
Yee, Kuen	President	Accelerated Software
Zumwalt, Bradley E.	V P - Sales & Marke	Image Club Graphics Inc.


Y
U
I
O
H
J



Application Software by Category

A/P (Accounts Payable)
A/R (Accounts Receivable)
ACCPAC Series
Ad-hoc Report Writer
Agenda, Calendar
Agricultural Engineering Software
All Others
Animations
Applications Generators
Architecture Software Tools
Artificial Intelligence Software
Assemblers, Compilers, Code Translators
Asset Physical Control
Assets Management
Auditing Applications
Augmented Alternative
Authoring Languages
Autocad
BBS (Bulletin Board System) Software
Billing & Invoicing
Bulk Account POS
Business
CADKEY Training
CAE (Computer Aided Engineering)
CAM (Computer Assisted Manufacturing)
CASE Methods and Tools (Computer Aided Software)
CD-ROM Publishing
Chemical Engineering Software
CIM (Computer Integrated Manufacturing)
Civil Engineering Software
Clip Art Images
Communication For System
Communications Software (e.g. ProComm, CrossTalk)
Compound Document Management
Computer Based Training
Computer Graphical User (GUI) Interfaces
Computer Languages 4GL (Fourth Generation Languages)
Computer Operation by Speech
Contract Progress Billing
Correspondence, Administrative Document Tracking
Costing, Point Of Sales
Courseware
Crisis Management
Curation, Bankruptcy
Custom Financial Banking
Custom Software
Data Acquisition, Remote Sensing, etc.
Data Capture, Validation
Data Dictionary
Data Handling Tools
Data Security, Encryption, Cryptography, Virus Protection, Copy Protection
Data Trending Software
Database Publishing
DBMS (Data Base Management Systems)
Debuggers
Document Interchange
Document Management
Document Tracking
Documentation Generators
Drill Stem Test Applications
DTP (Desk Top Publishing)
E-mail Software
Economic Analysis
EDI/OSI Software
EIS Executive Information Systems
Electrical Engineering Software
Energy Management Applications
Engineering Computational tools
Enhancing
Entertainment, Home Use
Environment Related Applications
Estimating
Estimating
Estimating
Exploration & Development
FAS (Financial Accounting Systems)
Financial Control/Planning
FIS (Financial Information Systems)
Forestry Engineering Software
Forms
Forms Processing
FoxBASE
Fund Raising
G S T Preparation
G/L (General Ledger)
Gateway, Communication Networks
General Graphics Package, Draw, Paint, Drafting CAD (Computer Assisted Design)
Geophysical Data Processing
Geophysical Processing
Geophysical Software
Geotechnical
GIS (Geographic Information Systems)
Graphics Tools (Digital Video Capture & Processing, Screen Capture, Scanning Software
Graphics Tools, Scanning
Groupware, all Variants
Hand-held Computer Input
Highways Engineering Software
Hotel Management
Hotel Marketing
Human Resources Management
Hydraulic Frac. & Reservoir
Ice Reconnaissance
Image-based Document Management
Income Tax
Incorporation of Bar Code Equipment
Industrial Engineering
Information Management
Integrated Accounting
Interactive Motion Video
Inventory Control
Inventory Control
Inventory Tracking
Investigation, Security
JIT (Just-In-Time) Software
Job Cost
Job Costing
Job Estimating/Costing
Laboratory & Instrumentation Software
LAN (Local Area Network)
Library Automation
Livestock Auction Software
Logistic Analysis
Lotus 1 2 3
Maintenance, Building, Machinery, Vehicles, etc.

Manufacturing Cost Estimating
Market Research
Material, Stock Management
Materials management
Mathematical Applications, Simulation Software
Mechanical Engineering Software
Menu Generators
Meteorology Applications Software
Micro-mainframe Session Handlers
Mining Engineering Software
MIS Management Information Systems
MRP (Material, Manufacturing Resource Planning)
Multimedia Capture
Municipal Software
Music-Tuning
Oil & Gas (All Engineering Software)
Oil Industry
Operating Systems
Optical Disk Archiving
Organize Supplier contacts
Other Accounting
Other, Connectivity
Pavement Management
Payroll
Pension Fund Management
Personnel Policies Creation
Petroleum
Petroleum Engineering
Petroleum Engineering & Hydraulic
Petroleum Exploration
Petroleum Software
Pick Communications
PIM Personal Information Managers (IZE, Grand View, PackRat type)
POS (Point Of Sale) & Order Entry, Order Processing
Process Automation
Process Control
Project Management
Property Evaluation/Assessment
Purchasing
Quality Control
Quality Control
Rate Base - Utility
Records, Document Management
Rehabilitation S/W
Report Generators
Reservation Systems
Reservoir Engineering
Reservoir Software
Robotic and Automation, Materials Handling
SCADA
Scheduling
Screen Generators
Search and Retrieval Software, Engines for DBMS's
Security
Session Simulators
Shop Floor Data Collect
SNA, TCP/IP
Software Consulting
Specialized Business Applications
Specialized Editors (e.g. Brief, personal Editor, etc.)
Spreadsheet
Standard DBMS
Statistical Applications Software
Supplier Data Management
Systems Utilities
Terminal Emulation
Trust Accounting
Type Faces
UNIX/XENIX Support
UNIX/XENIX Training
UPlink, LAN
Video
Voice Messaging Software
Voice, Audio, Analysis, and Processing
Voice, Audio, Analysis, and Processing
Voice, Speech Recognition, Translation
WAN (Wide Area Network)
Wand, Bar Code Technology
Well Test
Word Processing
Word, Text Processing
Work Order

7
8
9
Y
U
I
O
H

Applications

ACCOUNTING & FINANCE

■ A/P (Accounts Payable)
A C T C Technologies Inc.
A I S Consulting Ltd.
Accounting by Graphics (Int'l) Inc.
Aspen Computing Solutions Ltd. Edmonton
Associated Stationers
Bethel Software Inc.
C M S Corporate Management Systems Ltd.
C S I Custom Solutions Inc.
Canesia International Inc.
Cipher Systems Ltd.
Comgen Software Services Ltd.
Compu-Group Consultants Inc.
Compudata Systems Consulting Inc.
Comsoft Inc.
Customers Choice Ltd.
D G L Software Services Ltd.
DATAP Systems
DataPath Support Group Inc.
Datrek Hospitality Systems Ltd.
Deltek Software Systems Ltd.
Dyad Systems Group Ltd.
E D M Management Systems Inc.
E F A Software Services Ltd.
El-Kow Software Systems Inc.
ESTec Systems Corp.
G M T Software Systems Ltd.
General Computer Systems (Genesys) Ltd.
H M Computer Systems Inc.
Humana Training Centres Inc.
Inter-Soft Systems Ltd.
J D A Software Services Ltd.
Jones & Erickson Software Technology Inc
Jones Agricomp Services Ltd.
Kaydex Systems Ltd.
Krusheinicki & Spyker
Kwok Consulting Group Ltd.
Lawgic Computer Systems Inc.
Micro Systems Unlimited
Mountain Marketing Group (Caniden)
Oracle Corporation Canada Inc.
P & A Computer Corp.
Panda Systems Ltd.
Peat Marwick Thorne Information Systems
Price Waterhouse
Promek Consulting Ltd.
QByte Services Ltd.
R S I Retail Solutions Inc.
Rinax Systems Ltd.
Safeguard
Simply Software Services Ltd.
Software Integration Services
Southern Computer Services Ltd.
Systematix Consultants Inc.
Total Computers Ltd.
Tri Tec Systems Ltd.
Unixsys Systems Inc.
Unisun Ltd.
User's Choice Data Management Tech Ltd.

■ A/R (Accounts Receivable)
A C T C Technologies Inc.
A I S Consulting Ltd.
Accounting by Graphics (Int'l) Inc.
Aspen Computing Solutions Ltd. Edmonton
Associated Stationers
Bethel Software Inc.
C M S Corporate Management Systems Ltd.
C S I Custom Solutions Inc.
Canesia International Inc.
Cipher Systems Ltd.
Comgen Software Services Ltd.
Compu-Group Consultants Inc.
Compudata Systems Consulting Inc.
Compudoc Systems Ltd.
Comsoft Inc.
Customers Choice Ltd.
D G L Software Services Ltd.
DATAP Systems
DataPath Support Group Inc.
Datrek Hospitality Systems Ltd.
Deltek Software Systems Ltd.
Dyad Systems Group Ltd.
E D M Management Systems Inc.
E F A Software Services Ltd.
El-Kow Software Systems Inc.
ESTec Systems Corp.
G M T Software Systems Ltd.
General Computer Systems (Genesys) Ltd.
H M Computer Systems Inc.
Humana Training Centres Inc.
Inter-Soft Systems Ltd.
J D A Software Services Ltd.
Jones & Erickson Software Technology Inc
Jones Agricomp Services Ltd.
Kaydex Systems Ltd.
Krusheinicki & Spyker
Kwok Consulting Group Ltd.
Lawgic Computer Systems Inc.
Micro Systems Unlimited
Mountain Marketing Group (Caniden)
Oracle Corporation Canada Inc.
P & A Computer Corp.
Panda Systems Ltd.
Peat Marwick Thorne Information Systems
Pelican Software Ltd.
Price Waterhouse
Promek Consulting Ltd.
QByte Services Ltd.
R S I Retail Solutions Inc.
Rinax Systems Ltd.
Safeguard
Simply Software Services Ltd.
Software Integration Services
Southern Computer Services Ltd.
Systematix Consultants Inc.
Total Computers Ltd.
Tri Tec Systems Ltd.
Unixsys Systems Inc.
Unisun Ltd.
User's Choice Data Management Tech Ltd.

■ ACCPAC Series
User's Choice Data Management Tech Ltd.

■ Assets Management
A C T C Technologies Inc.
A I S Consulting Ltd.
Aurora Bar Code Technologies Ltd.
Candella Group
Cipher Systems Ltd.
Comgen Software Services Ltd.
Compu-Group Consultants Inc.
Comsoft Inc.
D & S Knowledge Systems Inc.
D-Tech-T Inc.
Dyad Systems Group Ltd.
E D M Management Systems Inc.
E F A Software Services Ltd.
Engineered Systems
ESTec Systems Corp.
G M T Software Systems Ltd.
Generation 5 Technology Canada
H M Computer Systems Inc.
Integrated Systems AP Corp.
J D A Software Services Ltd.
Kwok Consulting Group Ltd.
Micro Systems Unlimited
Oracle Corporation Canada Inc.
Peat Marwick Thorne Information Systems
Price Waterhouse
QByte Services Ltd.
R S I Retail Solutions Inc.
Simply Software Services Ltd.
Software Integration Services
Systematix Consultants Inc.
Unexsys Systems Inc.
Unisun Ltd.
User's Choice Data Management Tech Ltd.

■ Auditing Applications
Cipher Systems Ltd.
Comsoft Inc.
D-Tech-T Inc.
H M Computer Systems Inc.
Precise Systems Corp.
QByte Services Ltd.

■ Billing & Invoicing
A C T C Technologies Inc.
A I S Consulting Ltd.
Accelerated Software
Aspen Computing Solutions Ltd. Edmonton
Associated Stationers
Bethel Software Inc.
C M S Corporate Management Systems Ltd.
C S I Custom Solutions Inc.
Canesia International Inc.
Canex Exploration Services Ltd.
Cipher Systems Ltd.
Comgen Software Services Ltd.
Compu-Group Consultants Inc.
Compudata Systems Consulting Inc.
Compudoc Systems Ltd.
Comsoft Inc.
CU Services, a Division of
Canadian Utilities Ltd.
Customers Choice Ltd.
D G L Software Services Ltd.
D M R Group Inc.
D-Tech-T Inc.
Datrek Hospitality Systems Ltd.
Deltek Software Systems Ltd.
Dyad Systems Group Ltd.
E D M Management Systems Inc.
E F A Software Services Ltd.
El-Kow Software Systems Inc.
Elan Consulting Group Inc.
ESTec Systems Corp.
G M T Software Systems Ltd.
General Computer Systems (Genesys) Ltd.
H M Computer Systems Inc.
I R M Systems Inc.
Integrated Systems Applications Corp.
Inter-Soft Systems Ltd.
J D A Software Services Ltd.
Jonas & Erickson Software Technology Inc
Kaydex Systems Ltd.
Kwok Consulting Group Ltd.
Lawgic Computer Systems Inc.
Micro Systems Unlimited
Mountain Marketing Group (Cariden)
Oracle Corporation Canada Inc.
P & A Computer Corp.
Panda Systems Ltd.
Peat Marwick Thorne Information Systems
Precise Systems Corp.
Price Waterhouse
Promek Consulting Ltd.
QByte Services Ltd.
R S I Retail Solutions Inc.
Rinax Systems Ltd.
Safeguard
Simply Software Services Ltd.
Software Integration Services
Southern Computer Services Ltd.
Sprint Systems Consulting Ltd.
Systematix Consultants Inc.
Total Computers Ltd.
Tri Tec Systems Ltd.
Unexsys Systems Inc.
Unisun Ltd.
User's Choice Data Management Tech Ltd.
XI Canada Ltd.

■ Contract Progress Billing
Abacus Computer Service

■ Costing, Point Of Sales
Unexsys Systems Inc.

■ Custom Financial Banking
Compudata Systems Consulting Inc.

■ FAS (Financial Accounting Systems)
Promek Consulting Ltd.

■ Financial Control/Planning
A C T C Technologies Inc.
A I S Consulting Ltd.
Auscan Data Services
Bethel Software Inc.
Cipher Systems Ltd.
Comgen Software Services Ltd.
Compudata Systems Consulting Inc.
Comsoft Inc.
D & S Knowledge Systems Inc.
D M R Group Inc.
D-Tech-T Inc.
E D M Management Systems Inc.
E F A Software Services Ltd.
G M T Software Systems Ltd.
H M Computer Systems Inc.
Jones Agricomp Services Ltd.

Kaydex Systems Ltd.
Kwok Consulting Group Ltd.
P & A Computer Corp.
Peat Marwick Thorne Information Systems
Promek Consulting Ltd.
QByte Services Ltd.
Reath Laerz Associates Ltd.
Simply Software Services Ltd.
Systematix Consultants Inc.
The 10 Planner Corporation
Unexsys Systems Inc.

■ FIS (Financial Information Systems)

A C T C Technologies Inc.
A I S Consulting Ltd.
Aspen Computing Solutions Ltd. Edmonton
Bethel Software Inc.
CU Services, a Division of Canadian Utilities Ltd.
Cipher Systems Ltd.
Comgen Software Services Ltd.
Compudata Systems Consulting Inc.
Comsoft Inc.
Customers Choice Ltd.
D M R Group Inc.
Deltek Software Systems Ltd.
Dyad Systems Group Ltd.
E F A Software Services Ltd.
ESTec Systems Corp.
El-Kow Software Systems Inc.
Elan Consulting Group Inc.
G D S & Associates Systems
G M T Software Systems Ltd.
H M Computer Systems Inc.
Integrated Systems Applications Corp.
J D A Software Services Ltd.
Jones Agricomp Services Ltd.
Kaydex Systems Ltd.
Krushelnicki & Spyker
Kwok Consulting Group Ltd.
P & A Computer Corp.
Peat Marwick Thorne Information Systems
Precise Systems Corp.
Price Waterhouse
QByte Services Ltd.
Reath Laerz Associates Ltd.
Sequoia Information Systems Ltd.
Simply Software Services Ltd.
Systematix Consultants Inc.
The 10 Planner Corporation
Unexsys Systems Inc.

■ Fund Raising

E D M Management Systems Inc.

■ G S T Preparation

Micros In Business Inc.

■ G/L (General Ledger)

A C T C Technologies Inc.
A I S Consulting Ltd.
Accounting by Graphics (Int'l) Inc.
Aspen Computing Solutions Ltd. Edmonton
Associated Stationers
Bethel Software Inc.
C M S Corporate Management Systems Ltd.
C S I Custom Solutions Inc.
Canesia International Inc.
Cipher Systems Ltd.
Comgen Software Services Ltd.
Compu-Group Consultants Inc.
Compudata Systems Consulting Inc.
Compudoc Systems Ltd.
Comsoft Inc.
Customers Choice Ltd.
D G L Software Services Ltd.
DATAP Systems
DataPath Support Group Inc.
Datrek Hospitality Systems Ltd.
Deltek Software Systems Ltd.
Dyad Systems Group Ltd.
E D M Management Systems Inc.
E F A Software Services Ltd.
El-Kow Software Systems Inc.
ESTec Systems Corp.
G M T Software Systems Ltd.
General Computer Systems (Genesys) Ltd.
H M Computer Systems Inc.
Humana Training Centres Inc.
Inter-Soft Systems Ltd.
J D A Software Services Ltd.
Jonas & Erickson Software Technology Inc
Jones Agricomp Services Ltd.
Kaydex Systems Ltd.
Keith Hamilton Computer Consulting Ltd.
Krushelnicki & Spyker
Kwok Consulting Group Ltd.
Lawgic Computer Systems Inc.
Micro Systems Unlimited
Micros In Business Inc.
Mountain Marketing Group (Cariden)
Oracle Corporation Canada Inc.
P & A Computer Corp.
Panda Systems Ltd.
Peat Marwick Thorne Information Systems
Price Waterhouse
Promek Consulting Ltd.
QByte Services Ltd.
R S I Retail Solutions Inc.
Rinax Systems Ltd.
Safeguard
Simply Software Services Ltd.
Software Integration Services
Southern Computer Services Ltd.
Systematix Consultants Inc.
Total Computers Ltd.
Tri Tec Systems Ltd.
Unexsys Systems Inc.
Unisun Ltd.
User's Choice Data Management Tech Ltd.

■ Income Tax

Candella Group
Cipher Systems Ltd.
Comgen Software Services Ltd.
Compu-Group Consultants Inc.
Deltek Software Systems Ltd.
Dyad Systems Group Ltd.
E F A Software Services Ltd.
H M Computer Systems Inc.
Keith Hamilton Computer Consulting Ltd.
Kwok Consulting Group Ltd.
Mountain Marketing Group (Cariden)
Price Waterhouse
QByte Services Ltd.
Rinax Systems Ltd.
Systematix Consultants Inc.
User's Choice Data Management Tech Ltd.

■ **Integrated Accounting**
A C T C Technologies Inc.
A I S Consulting Ltd.
Accounting by Graphics (Int'l) Inc.
Aspen Computing Solutions Ltd. Edmonton
Associated Stationers
Bethel Software Inc.
C R B Data Systems Ltd.
C S I Custom Solutions Inc.
Candella Group
Canesia International Inc.
Cipher Systems Ltd.
Comgen Software Services Ltd.
Compu-Group Consultants Inc.
Compudoc Systems Ltd.
Comsoft Inc.
Customers Choice Ltd.
D M R Group Inc.
DATAP Systems
DataPath Support Group Inc.
Datrek Hospitality Systems Ltd.
Deltek Software Systems Ltd.
Dyad Systems Group Ltd.
E D M Management Systems Inc.
E F A Software Services Ltd.
El-Kow Software Systems Inc.
ESTec Systems Corp.
G M T Software Systems Ltd.
General Computer Systems (Genesys) Ltd.
H M Computer Systems Inc.
Humana Computer Support Inc.
Humana Training Centres Inc.
Integrated Systems Applications Corp.
Inter-Soft Systems Ltd.
J D A Software Services Ltd.
Jonas & Erickson Software Technology Inc
Jones Agricomp Services Ltd.
Keith Hamilton Computer Consulting Ltd.
Krushelnicki & Spyker
Kwok Consulting Group Ltd.
Lawgic Computer Systems Inc.
Micro Systems Unlimited
Micros In Business Inc.
Minerva Technology Inc.
Mountain Marketing Group (Cariden)
Oracle Corporation Canada Inc.
P & A Computer Corp.
Panda Systems Ltd.
Peat Marwick Thorne Information Systems
Power Stations
Price Waterhouse
Promek Consulting Ltd.
QByte Services Ltd.
R S I Retail Solutions Inc.
Rinax Systems Ltd.
Safeguard
Simply Software Services Ltd.
Software Integration Services
Southern Computer Services Ltd.
Systematix Consultants Inc.
Total Computers Ltd.
Unexsys Systems Inc.
User's Choice Data Management Tech Ltd.

■ **Inventory Control**
Softwarehouse (West) Inc.

■ **Job Estimating/Costing**
Comsoft Inc.

■ **Job Costing**
Accounting by Graphics (Int'l) Inc.

■ **Manufacturing Cost Estimating**
Engineered Systems

■ **Materials management**
Micro Systems Unlimited

■ **Municipal Software**
P & A Computer Corp.

■ **Other Accounting**
Associated Stationers
Compu-Group Consultants Inc.
Comsoft Inc.
Customers Choice Ltd.
D M R Group Inc.
Dyad Systems Group Ltd.
E F A Software Services Ltd.
El-Kow Software Systems Inc.
H M Computer Systems Inc.
Krushelnicki & Spyker
Kwok Consulting Group Ltd.
Mountain Marketing Group (Cariden)
Oracle Corporation Canada Inc.
Peat Marwick Thorne Information Systems
QByte Services Ltd.
Simply Software Services Ltd.
Systematix Consultants Inc.
Unexsys Systems Inc.

■ **Payroll**
A C T C Technologies Inc.
A I S Consulting Ltd.
Accounting by Graphics (Int'l) Inc.
Aspen Computing Solutions Ltd. Edmonton
Associated Stationers
Bethel Software Inc.
C M S Corporate Management Systems Ltd.
Cipher Systems Ltd.
Comgen Software Services Ltd.
Compu-Group Consultants Inc.
Comsoft Inc.
Customers Choice Ltd.
D G L Software Services Ltd.
D M R Group Inc.
Datrek Hospitality Systems Ltd.
Deltek Software Systems Ltd.
Dyad Systems Group Ltd.
E F A Software Services Ltd.
El-Kow Software Systems Inc.
ESTec Systems Corp.
G M T Software Systems Ltd.
General Computer Systems (Genesys) Ltd.
H M Computer Systems Inc.
Integrated Systems Applications Corp.
Inter-Soft Systems Ltd.
J D A Software Services Ltd.
Jonas & Erickson Software Technology Inc
Kwok Consulting Group Ltd.
Lawgic Computer Systems Inc.
Micro Systems Unlimited
Mountain Marketing Group (Cariden)
Oracle Corporation Canada Inc.
P & A Computer Corp.
Panda Systems Ltd.
Peat Marwick Thorne Information Systems
Promek Consulting Ltd.

QByte Services Ltd.
Rinax Systems Ltd.
Simply Software Services Ltd.
Software Integration Services
Systematix Consultants Inc.
Total Computers Ltd.
Tri Tec Systems Ltd.
Unexsys Systems Inc.

■ Pension Fund Management
G D S & Associates Systems

■ Property Evaluation/Assessment
Amtek Testeam Div. of Atlantic Research
D & S Knowledge Systems Inc.
D-Tech-T Inc.
Generation 5 Technology Canada
Jones Agricomp Services Ltd.
Oracle Corporation Canada Inc.
P & A Computer Corp.
QByte Services Ltd.
Reath Laerz Associates Ltd.
Unisun Ltd.

■ Specialized Business Applications
Integrated Systems Applications Corp.

■ Trust Accounting
Lawgic Computer Systems Inc.

ASSET MANAGEMENT

■ **Asset Physical Control**

Peat Marwick Thorne Information Systems

■ **Curation, Bankruptcy**

D-Tech-T Inc.

■ **Data Acquisition, Remote Sensing, etc.**

A. Comeau & Associates Ltd.
Aurora Bar Code Technologies Ltd.
B & B Computer Applications Ltd.
B K B Engineering Ltd.
CU Services, a Division of Canadian Utilities Ltd.
D-Tech-T Inc.
Daniel Computing Systems Inc.
Elan Consulting Group Inc.
G M A
Generation 5 Technology Canada
Hewlett-Packard (Canada) Ltd.
Hinz Consulting Ltd.
Howell Mayhew Engineering Inc.
Intera Information Technologies Corp.
Marimex Industries Ltd.
Micrologic Limited
Munro Engineering Inc.
Power Stations
S N C Inc.
Silatech Microsystems Inc.
Systematix Consultants Inc.
Taylor Industrial Software

■ **Economic Analysis**

E D M Management Systems Inc.

■ **Energy Management Applications**

Applied Terravision Systems Inc.
C D Pubco Inc.
CU Services, a Division of Canadian Utilities Ltd.
D-Tech-T Inc.
Daniel Computing Systems Inc.
Generation 5 Technology Canada
Hewlett-Packard (Canada) Ltd.
Hinz Consulting Ltd.
Howell Mayhew Engineering Inc.
Integrated Systems Applications Corp.
Jonas & Erickson Software Technology Inc
Munro Engineering Inc.
Power Stations
S N C Inc.
Sequoia Information Systems Ltd.
Silatech Microsystems Inc.
Standard Computing
Systematix Consultants Inc.
Unisun Ltd.

■ **Environment Related Applications**

B K B Engineering Ltd.
Candella Group
D-Tech-T Inc.
G M A
Generation 5 Technology Canada
Hewlett-Packard (Canada) Ltd.
Hinz Consulting Ltd.
Howell Mayhew Engineering Inc.
I C L Isometrics Consulting Ltd.
Integrated Systems Applications Corp.
Intera Information Technologies Corp.
Marimex Industries Ltd.
Micrologic Limited
Power Stations
S N C Inc.
Systematix Consultants Inc.

■ **GIS (Geographic Information Systems)**

Applied Terravision Systems Inc.
C D Pubco Inc.
CU Services, a Division of Canadian Utilities Ltd.
Cansel Survey Equipment Ltd.
D K W Systems Corporation
D M R Group Inc.
G W N Systems Inc.
Generation 5 Technology Canada
I C L Isometrics Consulting Ltd.
Integrated Systems Applications Corp.
Intera Information Technologies Corp.
Itres Research Ltd.
Power Stations
S N C Inc.
Sequoia Information Systems Ltd.
Systematix Consultants Inc.

■ **Hand-held Computer Input**

Software Integration Services

■ **Incorporation of Bar Code Equipment**

Candella Group

■ **Logistic Analysis**

Amtek Testware Div. of Atlantic Research

■ **Maintenance, Building, Machinery, Vehicles, etc.**

Amtek Testware Div. of Atlantic Research
Associated Stationers
Aurora Bar Code Technologies Ltd.
Candella Group
D M R Group Inc.
G D S & Associates Systems
Generation 5 Technology Canada
Generation Systems
Hinz Consulting Ltd.
I C L Isometrics Consulting Ltd.
Integrated Systems Applications Corp.
Jones Agricomp Services Ltd.
Kwok Consulting Group Ltd.
Marimex Industries Ltd.
Micrologic Limited
Peat Marwick Thorne Information Systems
Power Stations
Price & Waddingham Computer Systems Inc.
QByte Services Ltd.
S N C Inc.
Simply Software Services Ltd.
Systematix Consultants Inc.
Techsonix (Canada) Ltd.
Total Computers Ltd.
Unexsys Systems Inc.
Unisun Ltd.

COMMUNICATIONS

■ Augmented Alternative
The AND group Inc.

■ BBS (Bulletin Board System) Software
D M R Group Inc.
FitzPatrick Engineering Ltd.

■ CD-ROM Publishing
Image Club Graphics Inc.

■ Communication For System
Marimex Industries Ltd.

■ Communications Software (e.g. ProComm, CrossTalk)
Aspen Computing Solutions Ltd. Edmonton
Compudata Systems Consulting Inc.
D & S Knowledge Systems Inc.
D K W Systems Corporation
D M R Group Inc.
DATAP Systems
Dataworks Inc.
E F A Software Services Ltd.
FitzPatrick Engineering Ltd.
Hinz Consulting Ltd.
I C L Isometrics Consulting Ltd.
Micro Systems Unlimited
Microlynx Systems Ltd.
Munro Engineering Inc.
Precise Systems Corp.
Simply Software Services Ltd.
Software Integration Services
Tri Tec Systems Ltd.
Unisun Ltd.

■ E-mail Software
D M R Group Inc.
DATAP Systems
E F A Software Services Ltd.
Elan Consulting Group Inc.
FitzPatrick Engineering Ltd.
Humana Computer Support Inc.
Lawgic Computer Systems Inc.
Oracle Corporation Canada Inc.
Precise Systems Corp.
Softwarehouse (West) Inc.
Systematix Consultants Inc.
Unisun Ltd.

■ Gateway, Communication Networks
Axion Spatial Imaging Ltd.
D M R Group Inc.
FitzPatrick Engineering Ltd.
Hinz Consulting Ltd.
Humana Training Centres Inc.
Info-Eze Inc.
Itres Research Ltd.
Microlynx Systems Ltd.
Oracle Corporation Canada Inc.
Precise Systems Corp.
R S I Retail Solutions Inc.
Sequoia Information Systems Ltd.
Systematix Consultants Inc.
Tri Tec Systems Ltd.
Unisun Ltd.
Xentel Inc.

■ Pick Communications
El-Kow Software Systems Inc.

■ SNA, TCP/IP
D K W Systems Corporation

■ Terminal Emulation
Aspen Computing Solutions Ltd. Edmonton
Compu-Group Consultants Inc.
D M R Group Inc.
E F A Software Services Ltd.
Fekete Associates Inc.
FitzPatrick Engineering Ltd.
Hinz Consulting Ltd.
Humana Training Centres Inc.
Jonnas & Erickson Software Technology Inc
Lawgic Computer Systems Inc.
Precise Systems Corp.
Promek Consulting Ltd.
R S I Retail Solutions Inc.
Sequoia Information Systems Ltd.
Tri Tec Systems Ltd.

■ UPlink, LAN
Tech-T Inc.

■ Video
Precise Systems Corp.

■ Voice Messaging Software
D M R Group Inc.
Dyad Systems Group Ltd.
Hinz Consulting Ltd.
Humana Training Centres Inc.
Precise Systems Corp.
Unexsys Systems Inc.
Unisun Ltd.
Xentel Inc.

CONNECTIVITY

Precise Systems Corp.

■ DBMS (Data Base Management Systems)

Accelerated Software
Amtek Testware Div. of Atlantic Research
Axion Spatial Imaging Ltd.
C D Pubco Inc.
C S I Custom Solutions Inc.
Co-Design Information Systems Ltd.
Compu-Group Consultants Inc.
D K W Systems Corporation
D M R Group Inc.
D-Tech-T Inc.
Dataworks Inc.
Elan Consulting Group Inc.
FitzPatrick Engineering Ltd.
G D S & Associates Systems
Generation 5 Technology Canada
Hewlett-Packard (Canada) Ltd.
Hinz Consulting Ltd.
Humana Computer Support Inc.
Munro Engineering Inc.
Ocelot Computer Services Inc.
Oracle Corporation Canada Inc.
P P M 2000 Inc.
Pelican Software Ltd.
Price Waterhouse
QByte Services Ltd.
S N C Inc.
Sequoia Information Systems Ltd.
Sprint Systems Consulting Ltd.
Systematix Consultants Inc.
Tri Tec Systems Ltd.
Unexsys Systems Inc.
Unisun Ltd.
User's Choice Data Management Tech Ltd.

■ EDI OSI Software

D M R Group Inc.
E F A Software Services Ltd.
Unexsys Systems Inc.

■ FoxBASE

Elan Consulting Group Inc.
C D Pubco Inc.
D M R Group Inc.
Elan Consulting Group Inc.
FitzPatrick Engineering Ltd.
Hinz Consulting Ltd.
Munro Engineering Inc.
Precise Systems Corp.

■ LAN (Local Area Network)

Andromeda Computer Systems Ltd.
C D Pubco Inc.
D & S Knowledge Systems Inc.
D M R Group Inc.
D-Tech-T Inc.
DATAP Systems
DataPath Support Group Inc.
Dataworks Inc.
Elan Consulting Group Inc.
Fekete Associates Inc.
G D S & Associates Systems
Generation 5 Technology Canada
GeoGraphix Inc.
Global Enterprise System Support Group
Hinz Consulting Ltd.
Humana Computer Support Inc.
I C L Isometrics Consulting Ltd.
I R M Systems Inc.
Integrated Systems Applications Corp.
Itres Research Ltd.
Kwok Consulting Group Ltd.
Lawgic Computer Systems Inc.
Microlynx Systems Ltd.
Munro Engineering Inc.
Power Stations
Precise Systems Corp.
Price Waterhouse
Price & Waddingham Computer Systems Inc.
Sequoia Information Systems Ltd.
Systematix Consultants Inc.
Tri Tec Systems Ltd.
Unisun Ltd.
User's Choice Data Management Tech Ltd.

■ Micro-mainframe Session Handlers

B K B Engineering Ltd.
Cipher Systems Ltd.
D M R Group Inc.
D-Tech-T Inc.
DATAP Systems
Elan Consulting Group Inc.
G D S & Associates Systems
Hinz Consulting Ltd.
Lawgic Computer Systems Inc.
MicroLink
Precise Systems Corp.
QByte Services Ltd.
Sequoia Information Systems Ltd.
Systematix Consultants Inc.
Unisun Ltd.

■ Other, Connectivity

B K B Engineering Ltd.
Chronologic Systems Inc.
D M R Group Inc.
D-Tech-T Inc.
Elan Consulting Group Inc.
Hinz Consulting Ltd.
Integrated Systems Applications Corp.

■ Session Simulators

Hinz Consulting Ltd.
Lawgic Computer Systems Inc.

■ Standard DBMS

Axion Spatial Imaging Ltd.
B K B Engineering Ltd.
Co-Design Information Systems Ltd.
Compu-Group Consultants Inc.
Elan Consulting Group Inc.
Generation 5 Technology Canada
Hinz Consulting Ltd.
I C L Isometrics Consulting Ltd.

■ Supplier Data Management

Sector Software Inc.

■ WAN (Wide Area Network)

D M R Group Inc.
D-Tech-T Inc.
Hinz Consulting Ltd.
Integrated Systems Applications Corp.
Microlynx Systems Ltd.
Novate Enterprises Inc.
Precise Systems Corp.
Systematix Consultants Inc.

DATA PROCESSING & COMPUTER SYSTEM

■ All Others

A. Comeau & Associates Ltd.
Compu-Group Consultants Inc.
D-Tech-T Inc.
DataSpan Technology Inc.
H M Computer Systems Inc.
Spectrum 2000 Mindware Ltd.

■ Applications Generators

Comeau & Associates Ltd.
Cipher Systems Ltd.
Compu-Group Consultants Inc.
D M R Group Inc.
D-Tech-T Inc.
Datek Industries Ltd.
H M Computer Systems Inc.
I C L Isometrics Consulting Ltd.
Info-Eze Inc.
Kwok Consulting Group Ltd.
Lakewood Systems Ltd.
Novate Enterprises Inc.
Nucleus Data Systems Inc.
Oracle Corporation Canada Inc.
Price & Waddingham Computer Systems Inc.
Silatech Microsystems Inc.
The Training Group Inc.
Unexsys Systems Inc.
Unisun Ltd.

■ Debuggers

Compu-Group Consultants Inc.
D M R Group Inc.
D-Tech-T Inc.
Datek Industries Ltd.
H M Computer Systems Inc.
Jonas & Erickson Software Technology Inc
Kwok Consulting Group Ltd.
Novate Enterprises Inc.
P P M 2000 Inc.
Tri Tec Systems Ltd.
Unexsys Systems Inc.
Unisun Ltd.

■ Documentation Generators

A. Comeau & Associates Ltd.
C D Pubco Inc.
Compu-Group Consultants Inc.
D M R Group Inc.
D-Tech-T Inc.
Datek Industries Ltd.
G D S & Associates Systems
H M Computer Systems Inc.
I C L Isometrics Consulting Ltd.
Kaydex Systems Ltd.
Kwok Consulting Group Ltd.
Lakewood Systems Ltd.
Novate Enterprises Inc.
Nucleus Data Systems Inc.
Unexsys Systems Inc.
Unisun Ltd.

■ Menu Generators

A. Comeau & Associates Ltd.
Certified Software
Compu-Group Consultants Inc.
D M R Group Inc.
D-Tech-T Inc.
Datek Industries Ltd.
Dyad Systems Group Ltd.
G D S & Associates Systems
H M Computer Systems Inc.
Hewlett-Packard (Canada) Ltd.
Hinz Consulting Ltd.
I C L Isometrics Consulting Ltd.
Kwok Consulting Group Ltd.
Novate Enterprises Inc.
Nucleus Data Systems Inc.
Oracle Corporation Canada Inc.
Reath Laerz Associates Ltd.
S N C Inc.
Software Integration Services
Southern Computer Services Ltd.
Total Computers Ltd.
Tri Tec Systems Ltd.
Unexsys Systems Inc.
Unisun Ltd.

■ Report Generators

A. Comeau & Associates Ltd.
Auscan Data Services
Amtek Testware Div. of Atlantic Research
Cipher Systems Ltd.
Compu-Group Consultants Inc.
D & S Knowledge Systems Inc.
D M R Group Inc.
D-Tech-T Inc.
Datek Industries Ltd.
Dyad Systems Group Ltd.
H M Computer Systems Inc.
Hewlett-Packard (Canada) Ltd.
Hinz Consulting Ltd.
I C L Isometrics Consulting Ltd.
Jonas & Erickson Software Technology Inc
Kwok Consulting Group Ltd.
Lakewood Systems Ltd.
Novate Enterprises Inc.
Oracle Corporation Canada Inc.
P P M 2000 Inc.
Precise Systems Corp.
Reath Laerz Associates Ltd.
S N C Inc.
The Training Group Inc.
Total Computers Ltd.
Tri Tec Systems Ltd.
Unexsys Systems Inc.
Unisun Ltd.

■ Screen Generators

A. Comeau & Associates Ltd.
Amtek Testware Div. of Atlantic Research
Certified Software
Compu-Group Consultants Inc.
D & S Knowledge Systems Inc.
D M R Group Inc.
D-Tech-T Inc.
Datek Industries Ltd.
Dyad Systems Group Ltd.
E F A Software Services Ltd.
FitzPatrick Engineering Ltd.
H M Computer Systems Inc.
Hewlett-Packard (Canada) Ltd.
Hinz Consulting Ltd.
I C L Isometrics Consulting Ltd.
Kwok Consulting Group Ltd.
Lakewood Systems Ltd.
Novate Enterprises Inc.
Oracle Corporation Canada Inc.
Precise Systems Corp.
Reath Laerz Associates Ltd.

S N C Inc.
Total Computers Ltd.
Tri Tec Systems Ltd.
Unexsys Systems Inc.
Unisun Ltd.

■ Artificial Intelligence Software

Abacus Computer Service
Amtek Testware Div. of Atlantic Research
Andromeda Computer Systems Ltd.
Applied Engineering Sciences Group Ltd.
D & S Knowledge Systems Inc.
D M R Group Inc.
D-Tech-T Inc.
DataSpan Technology Inc.
Expert Simulations Inc.
FitzPatrick Engineering Ltd.
Hampson - Russell Software Services Ltd.
Info-Eze Inc.
Integrated Systems Applications Corp.
Novate Enterprises Inc.
Precise Systems Corp.
Price Waterhouse
S N C Inc.
Unisun Ltd.

■ Assemblers, Compilers, Code Translators

BenchMark Technologies Ltd.
C M S Corporate Management Systems Ltd.
Compu-Group Consultants Inc.
D M R Group Inc.
Dyad Systems Group Ltd.
Hinz Consulting Ltd.
Integrated Systems Applications Corp.
Itres Research Ltd.
Novate Enterprises Inc.
Unisun Ltd.

■ CASE Methods and Tools (Computer Aided Software)

BenchMark Technologies Ltd.
Certified Software
D K W Systems Corporation
D M R Group Inc.
G D S & Associates Systems
Hyprotech Ltd.
Integrated Systems Applications Corp.
Novate Enterprises Inc.
Oracle Corporation Canada Inc.
Price Waterhouse
Systematix Consultants Inc.
The AND group Inc.
The Arlington Consulting Group
Unisun Ltd.

■ Computer Languages 4GL (Fourth Generation Languages)

Compu-Group Consultants Inc.
Customers Choice Ltd.
D K W Systems Corporation
D M R Group Inc.
D-Tech-T Inc.
El-Kow Software Systems Inc.
G D S & Associates Systems
H M Computer Systems Inc.
Lawgic Computer Systems Inc.
Price Waterhouse
QByte Services Ltd.
Systematix Consultants Inc.
The Arlington Consulting Group
The Training Group Inc.
Tri Tec Systems Ltd.
Unisun Ltd.

■ Data Capture, Validation

A. Comeau & Associates Ltd.
Andromeda Computer Systems Ltd.
Aurora Bar Code Technologies Ltd.
Auscan Data Services
B K B Engineering Ltd.
C S I Custom Solutions Inc.
Canex Exploration Services Ltd.
Compu-Group Consultants Inc.
Customers Choice Ltd.
D & S Knowledge Systems Inc.
D K W Systems Corporation
D M R Group Inc.
D-Tech-T Inc.
DataSpan Technology Inc.
Dataworks Inc.
Datek Industries Ltd.
Elan Consulting Group Inc.
Fekete Associates Inc.
FitzPatrick Engineering Ltd.
G D S & Associates Systems
Generation 5 Technology Canada
Global Enterprise System Support Group
Hinz Consulting Ltd.
I C L Isometrics Consulting Ltd.
Integrated Systems Applications Corp.
Intera Information Technologies Corp.
K C Woods & Associates Ltd.
Logic Resources
MAConsultants
Marimex Industries Ltd.
Mountain Marketing Group (Cariden)
Munro Engineering Inc.
Nortech Surveys (Canada) Inc.
Norwest Labs
Optical Data Systems Inc.
Power Stations
Precise Systems Corp.
Price Waterhouse
Quest Consulting Group Inc.
R S I Retail Solutions Inc.
Riley's Datashare International Ltd.
Silatech Microsystems Inc.
Softwarehouse (West) Inc.
Standard Computing
Systematix Consultants Inc.
Techsonix (Canada) Ltd.
The Arlington Consulting Group
The Training Group Inc.
Unexsys Systems Inc.
Unisun Ltd.
Xentel Inc.
Zycor Canada

■ Data Handling Tools

A. Comeau & Associates Ltd.
Amtek Testware Div. of Atlantic Research
Applied Engineering Sciences Group Ltd.
B K B Engineering Ltd.
C D Pubco Inc.
Canuck G I E Engineering Ltd.
Chronologic Systems Inc.
Compu-Group Consultants Inc.
Customers Choice Ltd.

D & S Knowledge Systems Inc.
D K W Systems Corporation
D M R Group Inc.
D-Tech-T Inc.
Dataworks Inc.
Datek Industries Ltd.
Dyad Systems Group Ltd.
Elan Consulting Group Inc.
Generation 5 Technology Canada
Global Enterprise System Support Group
Hampson - Russell Software Services Ltd.
Hewlett-Packard (Canada) Ltd.
Hinz Consulting Ltd.
I C L Isometrics Consulting Ltd.
I R M Systems Inc.
Integrated Systems Applications Corp.
Intera Information Technologies Corp.
Marimex Industries Ltd.
Munro Engineering Inc.
Nortech Surveys (Canada) Inc.
Norwest Labs
Ocelot Computer Services Inc.
Pelican Software Ltd.
Precise Systems Corp.
Reath Laerz Associates Ltd.
Riley's Datashare International Ltd.
Shana Corporation
Standard Computing
Systematix Consultants Inc.
T C Consulting Services
The AND group Inc.
The Training Group Inc.
Unexsys Systems Inc.
Unisun Ltd.
User's Choice Data Management Tech Ltd.
Xentel Inc.
Zycor Canada

■ Data Security, Encryption, Cryptography, Virus Protection, Copy Protection

Abacus Computer Service
Apogee Systems Corp.
Aspen Computing Solutions Ltd. Edmonton
Compu-Group Consultants Inc.
D & S Knowledge Systems Inc.
D K W Systems Corporation
D K W Systems Corporation
D M R Group Inc.
D M R Group Inc.
D-Tech-T Inc.
D-Tech-T Inc.
Dataworks Inc.
Datek Industries Ltd.
Expert systems shells
Fekete Associates Inc.
FitzPatrick Engineering Ltd.
G M A
GeoGraphix Inc.
Global Enterprise System Support Group
Integrated Systems Applications Corp.
Integrated Systems Applications Corp.
Kwok Consulting Group Ltd.
Munro Engineering Inc.
Novate Enterprises Inc.
Precise Systems Corp.
QByte Services Ltd.
Reath Laerz Associates Ltd.
S N C Inc.
Saiga Systems Inc.
The AND group Inc.
Unexsys Systems Inc.
Unisun Ltd.

■ Operating Systems

Compu-Group Consultants Inc.
Compudata Systems Consulting Inc.
D & S Knowledge Systems Inc.
D M R Group Inc.
D-Tech-T Inc.
H M Computer Systems Inc.
Precise Systems Corp.
R S I Retail Solutions Inc.
Silatech Microsystems Inc.
Systematix Consultants Inc.
The AND group Inc.
Tri Tec Systems Ltd.
Willowglen Systems Ltd.

■ Search and Retrieval Software, Engines for DBMS's

C D Pubco Inc.
Canex Exploration Services Ltd.
Customers Choice Ltd.
D K W Systems Corporation
D M R Group Inc.
D-Tech-T Inc.
Generation 5 Technology Canada
Global Enterprise System Support Group
Hewlett-Packard (Canada) Ltd.
Hinz Consulting Ltd.
I C L Isometrics Consulting Ltd.
Info-Eze Inc.
Mountain Marketing Group (Cariden)
Novate Enterprises Inc.
Ocelot Computer Services Inc.
Oracle Corporation Canada Inc.
P P M 2000 Inc.
Precise Systems Corp.
QByte Services Ltd.
Reath Laerz Associates Ltd.
S N C Inc.
Shana Corporation
T C Consulting Services
Teknica Petroleum Services Ltd.
Total Computers Ltd.
Unisun Ltd.

■ Systems Utilities

BenchMark Technologies Ltd.
Canex Exploration Services Ltd.
Certified Software
Cipher Systems Ltd.
Compu-Group Consultants Inc.
D M R Group Inc.
D-Tech-T Inc.
Hinz Consulting Ltd.
Integrated Systems Applications Corp.
K C Woods & Associates Ltd.
Kwok Consulting Group Ltd.
Mountain Marketing Group (Cariden)
Saiga Systems Inc.
Systematix Consultants Inc.
Tri Tec Systems Ltd.
Unisun Ltd.
Virtual Computing Services Ltd.

EDUCATION & TRAINING

■ Authoring Languages
D-Tech-T Inc.
Elan Consulting Group Inc.
FirstClass Systems Corp.
Itres Research Ltd.
The Training Group Inc.

■ Business
Krushelnicki & Spyker

■ CADKEY Training
Applied Engineering Sciences Group Ltd.

■ Computer Operation by Speech
Xentel Inc.

■ Computer Based Training
Aspen Computing Solutions Ltd. Edmonton
B K B Engineering Ltd.
Christie Communications
Cipher Systems Ltd.
D K W Systems Corporation
D-Tech-T Inc.
Deltek Software Systems Ltd.
E F A Software Services Ltd.
Elan Consulting Group Inc.
Expert Simulations Inc.
FirstClass Systems Corp.
GeoGraphix Inc.
Humana Computer Support Inc.
I R M Systems Inc.
Info-Eze Inc.
Integrated Systems Applications Corp.
Jones Agricomp Services Ltd.
Kaydex Systems Ltd.
Keith Hamilton Computer Consulting Ltd.
Krushelnicki & Spyker
Mountain Marketing Group (Cariden)
Novate Enterprises Inc.
Standard International Training Centers
Taylor Industrial Software
The Training Group Inc.
Tri Tec Systems Ltd.
Unexsys Systems Inc.
Xentel Inc.

■ Courseware
Christie Communications
D-Tech-T Inc.
Diagnostics software
Elan Consulting Group Inc.
Expert Simulations Inc.
FirstClass Systems Corp.
FirstClass Systems Corp.
Humana Computer Support Inc.
Humana Training Centres Inc.
I R M Systems Inc.
Info-Eze Inc.
Integrated Systems Applications Corp.
Integrated Systems Applications Corp.
Kaydex Systems Ltd.
Keith Hamilton Computer Consulting Ltd.
Mountain Marketing Group (Cariden)
Ninga Software Corporation
Novate Enterprises Inc.
Silatech Microsystems Inc.
Standard International Training Centers
T C Consulting Services
The Training Group Inc.

■ Information Management
The Training Group Inc.

■ Library Automation
Nichols Advanced Technologies Inc.

■ Lotus 1 2 3
Mazuryk Petroleum Consulting Ltd.

■ Music-Tuning
Andromeda Computer Systems Ltd.

■ Personnel Policies Creation
Kaydex Systems Ltd.

■ Security
D-Tech-T Inc.

■ Software Consulting
Cipher Systems Ltd.

■ UNIX/XENIX Support
Aspen Computing Solutions Ltd. Edmonton

■ UNIX/XENIX Training
Standard International Training Centers

■ Well Test
Fekete Associates Inc.

ENGINEERING & SCIENCE

G W N Systems Inc.

■ Agricultural Engineering Software
Cansel Survey Equipment Ltd.
FitzPatrick Engineering Ltd.
G W N Systems Inc.
Itres Research Ltd.
Matson Computing Inc.
Norwest Labs
S N C Inc.
Sundance Software Inc.

■ Architecture Software Tools
B K B Engineering Ltd.
Biomech Designs Ltd.
Brysco Services
Power Stations
S N C Inc.
Sundance Software Inc.
Techsonix (Canada) Ltd.

■ CAE (Computer Aided Engineering)
Andromeda Computer Systems Ltd.
Applied Engineering Sciences Group Ltd.
Cadmatic Canada Inc.
Cansel Survey Equipment Ltd.
Fekete Associates Inc.
FitzPatrick Engineering Ltd.
International Software Systems Inc.
Neotechnology Consultants Ltd.
Power Stations
S N C Inc.
Sundance Software Inc.
Techsonix (Canada) Ltd.

■ Chemical Engineering Software
B K B Engineering Ltd.
Brysco Services
Cadmatic Canada Inc.
Canuck G I E Engineering Ltd.
D B Robinson and Associates Ltd.
Expert Simulations Inc.
FitzPatrick Engineering Ltd.
Lakewood Systems Ltd.
Matson Computing Inc.

■ Civil Engineering Software
Abacus Computer Service
Brysco Services
Cadmatic Canada Inc.
Cansel Survey Equipment Ltd.
Deltek Software Systems Ltd.
Generation 5 Technology Canada
Geo-Slope International Ltd.
Mitre Software Corporation
Power Stations
Sundance Software Inc.
G W N Systems Inc.
S N C Inc.

■ Custom Software
Marimex Industries Ltd.

■ Data Trending Software
Generation Systems

■ Drill Stem Test Applications
CIFE, Canadian Institute of Formation Evaluation Ltd.

■ Electrical Engineering Software
Amtek Testware Div. of Atlantic Research
Andromeda Computer Systems Ltd.
Brysco Services
FitzPatrick Engineering Ltd.
Howell Mayhew Engineering Inc.
International Software Systems Inc.
Lakewood Systems Ltd.
Matson Computing Inc.
Micrologic Limited
Power Stations
S N C Inc.

■ Engineering Computational tools
Amtek Testware Div. of Atlantic Research
Andromeda Computer Systems Ltd.
Canuck G I E Engineering Ltd.
Comgen Software Services Ltd.
Computer Modelling Group
D & S Knowledge Systems Inc.
Dataworks Inc.
Fekete Associates Inc.
FitzPatrick Engineering Ltd.
GeoGraphix Inc.
International Software Systems Inc.
Matson Computing Inc.
Neotechnology Consultants Ltd.
Nortech Surveys (Canada) Inc.
Power Stations
Res Soft Technologies Inc.
S N C Inc.
Sequoia Information Systems Ltd.
Sundance Software Inc.
Western Research

■ Estimating
User's Choice Data Management Tech Ltd.

■ Exploration & Development
Landmark Graphics Canada Ltd.

■ Forestry Engineering Software
Cansel Survey Equipment Ltd.
FitzPatrick Engineering Ltd.
Generation 5 Technology Canada
Lakewood Systems Ltd.
Matson Computing Inc.
Nortech Surveys (Canada) Inc.
Sundance Software Inc.

■ Geophysical Processing
Commonwealth Geophysical Development Co. Ltd.

■ Geophysical Data Processing
Kelman Seismic Processing Inc.

■ Geophysical Software
Hampson - Russell Software Services Ltd.
G M A

■ Geotechnical
Geo-Slope International Ltd.

■ Highways Engineering Software
Sundance Software Inc.

■ Hydraulic Frac. & Reservoir
Hagel M W Consulting Ltd.

■ Ice Reconnaissance
Intera Information Technologies Corp.

■ Industrial Engineering
International Software Systems Inc.

■ Investigation, Security
D-Tech-T Inc.

■ Laboratory & Instrumentation Software
B & B Computer Applications Ltd.
B K B Engineering Ltd.
Biomech Designs Ltd.
Daniel Computing Systems Inc.
Howell Mayhew Engineering Inc.
tires Research Ltd.
Lakewood Systems Ltd.
Micrologic Limited
Mitre Software Corporation
Norwest Labs

■ Mathematical Applications, Simulation Software
Andromeda Computer Systems Ltd.
Axion Spatial Imaging Ltd.
B K B Engineering Ltd.
Biomech Designs Ltd.
Canuck G I E Engineering Ltd.
Commonwealth Geophysical Development Co. Ltd.
Compu-Group Consultants Inc.
Computer Modelling Group
Expert Simulations Inc.
Fekete Associates Inc.
FitzPatrick Engineering Ltd.
G M A
Hampson - Russell Software Services Ltd.
Lakewood Systems Ltd.
Mountain Marketing Group (Caniem)
Nortech Surveys (Canada) Inc.
Norwest Labs
Power Stations
Reath Leerz Associates Ltd.
Sequoia Information Systems Ltd.
Simtech Consulting Services Ltd.
Sundance Software Inc.
Systematix Consultants Inc.
Western Research

■ Mechanical Engineering Software
Andromeda Computer Systems Ltd.
Brysco Services
FitzPatrick Engineering Ltd.
Matson Computing Inc.
Power Stations
S N C Inc.
Systematix Consultants Inc.
Western Industrial Systems Ltd.

■ Meteorology Applications Software
Lakewood Systems Ltd.
Micrologic Limited
I C L Isometrics Consulting Ltd.

■ Mining Engineering Software
Brysco Services
Cansel Survey Equipment Ltd.
G W N Systems Inc.
Generation 5 Technology Canada
Geo-Slope International Ltd.
Matson Computing Inc.
Mitre Software Corporation
Mountain Marketing Group (Caniem)
Sundance Software Inc.

■ Oil & Gas (All Engineering Software)
Applied Engineering Sciences Group Ltd.

■ Oil Industry
Riley's Datashare International Ltd.

■ Pavement Management
G D S & Associates Systems

■ Petroleum Engineering & Hydraulic
Neotechnology Consultants Ltd.

■ Petroleum Engineering
Simtech Consulting Services Ltd.

■ Petroleum Exploration
Tekmira Petroleum Services Ltd.

■ Petroleum Software
D & S Knowledge Systems Inc.

■ Petroleum
Munro Engineering Inc.

■ Process Automation
Wilowglen Systems Ltd.

■ Rate Base - Utility
Panda Systems Ltd.

■ Reservoir Engineering
Fekete Associates Inc.

■ Reservoir Software
E C L Petroleum Technologies

■ Statistical Applications Software
Abacus Computer Service
Andromeda Computer Systems Ltd.
Axion Spatial Imaging Ltd.
Axion Spatial Imaging Ltd.
B & B Computer Applications Ltd.
B K B Engineering Ltd.
Biomech Designs Ltd.
C D Pubco Inc.
Canex Exploration Services Ltd.
Cansel Survey Equipment Ltd.
D M R Group Inc.
D-Tech-T Inc.
FitzPatrick Engineering Ltd.
G M A
G W N Systems Inc.
Generation 5 Technology Canada
I C L Isometrics Consulting Ltd.
Lakewood Systems Ltd.
Landmark Graphics Canada Ltd.
Nortech Surveys (Canada) Inc.
Norwest Labs
Oracle Corporation Canada Inc.
Power Stations
Power Stations
S N C Inc.
S N C Inc.
Structural analysis
Sundance Software Inc.
Surveying & mapping software
Systematix Consultants Inc.
Systematix Consultants Inc.
Systematix Consultants Inc.
Technomix (Canada) Ltd.
User's Choice Data Management Tech Ltd.
Zycor Canada

GRAPHICS

■ **Animations**

The Training Group Inc.

■ **Autocad**

Western Industrial Systems Ltd.

■ **Clip Art Images**

Image Club Graphics Inc.

■ **Computer Graphical User (GUI) Interfaces**

A. Comeau & Associates Ltd.
Andromeda Computer Systems Ltd.
Axion Spatial Imaging Ltd.
C D Publco Inc.
Canex Exploration Services Ltd.
Canoel Survey Equipment Ltd.
Commonwealth Geophysical Development Co. Ltd.
D & S Knowledge Systems Inc.
D K W Systems Corporation
D M R Group Inc.
D-Tech-T Inc.
DataSpan Technology Inc.
Datek Industries Ltd.
E C L Petroleum Technologies
Elan Consulting Group Inc.
Fekete Associates Inc.
FitzPatrick Engineering Ltd.
G M A
Generation 5 Technology Canada
GeoGraphix Inc.
Hewlett-Packard (Canada) Ltd.
Hinz Consulting Ltd.
Humana Computer Support Inc.
Humana Training Centres Inc.
Hyprotech Ltd.
Intera Information Technologies Corp.
Itres Research Ltd.
Landmark Graphics Canada Ltd.
Mountain Marketing Group (Caridex)
Power Stations
Simtech Consulting Services Ltd.
The AND group Inc.
The Training Group Inc.
WINDIX Corporation

■ **Enhancing**

Slideworks Inc.

■ **Forms Processing**

Shana Corporation

■ **General Graphics Package, Draw, Paint, Drafting CAD (Computer Assisted Design)**

Amtek Testware Div. of Atlantic Research
Applied Engineering Sciences Group Ltd.
Axion Spatial Imaging Ltd.
Canoel Survey Equipment Ltd.
Canuck G I E Engineering Ltd.
Computer Modelling Group
D M R Group Inc.
Dataworks Inc.
Elan Consulting Group Inc.
FitzPatrick Engineering Ltd.
Generation 5 Technology Canada
GeoGraphix Inc.
Hinz Consulting Ltd.
Humana Computer Support Inc.
Humana Training Centres Inc.
Hyprotech Ltd.
Image Club Graphics Inc.
International Software Systems Inc.
Landmark Graphics Canada Ltd.
Power Stations
S N C Inc.
Slideworks Inc.
The Training Group Inc.

■ **Graphics Tools (Digital Video Capture & Processing, Screen Capture, Scanning Software**

Amtek Testware Div. of Atlantic Research
Axion Spatial Imaging Ltd.
D-Tech-T Inc.
DataPath Support Group Inc.
Elan Consulting Group Inc.
FitzPatrick Engineering Ltd.
G M A
Generation 5 Technology Canada
GeoGraphix Inc.
Hinz Consulting Ltd.
Humana Computer Support Inc.
Humana Training Centres Inc.
I C L Isometrics Consulting Ltd.
Info-Eze Inc.
Kwok Consulting Group Ltd.
Lakewood Systems Ltd.
Landmark Graphics Canada Ltd.
Oracle Corporation Canada Inc.
Power Stations
Precise Systems Corp.
Price & Waddingham Computer Systems Inc.
S N C Inc.
Simply Software Services Ltd.
Technomix (Canada) Ltd.
The Training Group Inc.
Unisun Ltd.
Virtual Computing Services Ltd.

■ **Graphics Tools, Scanning**

DataSpan Technology Inc.

■ **Multimedia Capture**

Info-Eze Inc.

MANUFACTURING SOFTWARE

■ CAM (Computer Assisted Manufacturing)

FitzPatrick Engineering Ltd.
H M Computer Systems Inc.
Hinz Consulting Ltd.
Kwok Consulting Group Ltd.
Power Stations

■ CIM (Computer Integrated Manufacturing)

H M Computer Systems Inc.
Hewlett-Packard (Canada) Ltd.
Hinz Consulting Ltd.
Power Stations

■ Estimating

Brysco Services

■ JIT (Just-In-Time) Software

D M R Group Inc.
Hinz Consulting Ltd.
P & A Computer Corp.

■ MRP (Material, Manufacturing Resource Planning)

A C T C Technologies Inc.
A I S Consulting Ltd.
Abacus Computer Service
Andromeda Computer Systems Ltd.
Customers Choice Ltd.
D M R Group Inc.
Hinz Consulting Ltd.
P & A Computer Corp.
Sequoia Information Systems Ltd.
Systematix Consultants Inc.

■ Process Control

A. Comeau & Associates Ltd.
Andromeda Computer Systems Ltd.
B & B Computer Applications Ltd.
B K B Engineering Ltd.
CU Services, a Division of Canadian Utilities Ltd.
Customers Choice Ltd.
D M R Group Inc.
Daniel Computing Systems Inc.
Datek Industries Ltd.
FitzPatrick Engineering Ltd.
Hewlett-Packard (Canada) Ltd.
Hinz Consulting Ltd.
S N C Inc.
Silatech Microsystems Inc.
Systematix Consultants Inc.
Taylor Industrial Software

■ Quality Control

Aurora Bar Code Technologies Ltd.
B K B Engineering Ltd.
D M R Group Inc.
Hinz Consulting Ltd.
Systematix Consultants Inc.

■ Robotic and Automation, Materials Handling

B & B Computer Applications Ltd.
Daniel Computing Systems Inc.
Hewlett-Packard (Canada) Ltd.
Hinz Consulting Ltd.
Taylor Industrial Software

■ SCADA

Daniel Computing Systems Inc.

■ Shop Floor Data Collect

Aurora Bar Code Technologies Ltd.

MARKETING & SALES

■ Bulk Account POS
Marimex Industries Ltd.

■ Hotel Marketing
Inter-Soft Systems Ltd.

■ Inventory Tracking
D-Tech-T Inc.

■ Job Cost
Simply Software Services Ltd.

■ Livestock Auction Software
General Computer Systems (Genesys) Ltd.

■ Market Research
Customers Choice Ltd.
D-Tech-T Inc.
G D S & Associates Systems
Generation 5 Technology Canada
Hampson - Russell Software Services Ltd.
Pelican Software Ltd.
Xentel Inc.

■ Material, Stock Management
A C T C Technologies Inc.
A I S Consulting Ltd.
D-Tech-T Inc.
J D A Software Services Ltd.
Jonas & Erickson Software Technology Inc
Jones Agricomp Services Ltd.
Peat Marwick Thorne Information Systems
Rinax Systems Ltd.
Simply Software Services Ltd.
Unexsys Systems Inc.
Xentel Inc.

Merchandising & direct sales
Applied Engineering Sciences Group Ltd.
Customers Choice Ltd.
Elan Consulting Group Inc.
Engineered Systems
G M A
General Computer Systems (Genesys) Ltd.
I R M Systems Inc.
J D A Software Services Ltd.
Peat Marwick Thorne Information Systems
Simply Software Services Ltd.
Total Computers Ltd.
Unexsys Systems Inc.
Unisun Ltd.
Xentel Inc.

■ POS (Point Of Sale) & Order Entry, Order Processing
A C T C Technologies Inc.
A I S Consulting Ltd.
Associated Stationers
Aurora Bar Code Technologies Ltd.
C R B Data Systems Ltd.
C S I Custom Solutions Inc.
Comsoft Inc.
Customers Choice Ltd.
E F A Software Services Ltd.
ESTec Systems Corp.
El-Kow Software Systems Inc.
Elan Consulting Group Inc.
G D S & Associates Systems
H M Computer Systems Inc.
I R M Systems Inc.
Inter-Soft Systems Ltd.
J D A Software Services Ltd.
Jonas & Erickson Software Technology Inc
Krushelnicki & Spyker
Kwok Consulting Group Ltd.
MAConsultants
Novale Enterprises Inc.
P & A Computer Corp.
Peat Marwick Thorne Information Systems
Pelican Software Ltd.
R S I Retail Solutions Inc.
Rinax Systems Ltd.
Sequoia Information Systems Ltd.
Silatech Microsystems Inc.
Simply Software Services Ltd.
Software Integration Services
Softwarehouse (West) Inc.
Systematix Consultants Inc.
Total Computers Ltd.
Unexsys Systems Inc.
Unisun Ltd.
Xentel Inc.

■ Work Order
Rinax Systems Ltd.

MISCELLANEOUS

■ Crisis Management
K C Woods & Associates Ltd.

■ Entertainment, Home Use
Ninga Software Corporation

■ Interactive Motion Video
Info-Eze Inc.

■ Optical Disk Archiving
Optical Data Systems Inc.

■ Rehabilitation S/W
The AND group Inc.

■ Voice, Audio, Analysis, and Processing
Aurora Bar Code Technologies Ltd.

■ Voice, Audio, Analysis, and Processing
Global Enterprise System Support Group
Unisun Ltd.
Kentel Inc.

■ Wand, Bar Code Technology
Software Integration Services

OFFICE AUTOMATION

■ "Groupware", all Variants
Andromeda Computer Systems Ltd.
Apogee Systems Corp.
Bethel Software Inc.
D M R Group Inc.
Humana Computer Support Inc.
I R M. Systems Inc.
Unisun Ltd.

■ Ad-hoc Report Writer
Cipher Systems Ltd.

■ Agenda, Calendar
Apogee Systems Corp.
B K B Engineering Ltd.
Bethel Software Inc.
C S I Custom Solutions Inc.
Compudata Systems Consulting Inc.
D M R Group Inc.
Deltek Software Systems Ltd.
E F A Software Services Ltd.
El-Kow Software Systems Inc.
Humana Computer Support Inc.
Info-Eze Inc.
Jonas & Erickson Software Technology Inc.
Precise Systems Corp.
R S I Retail Solutions Inc.
Safeguard
Systematix Consultants Inc.
Techsonix (Canada) Ltd.
Total Computers Ltd.
Tri Tec Systems Ltd.
Unisun Ltd.
User's Choice Data Management Tech Ltd.

■ Compound Document Management
Keyword Office Technologies Ltd.

■ Correspondence, Administrative Document Tracking
Aurora Bar Code Technologies Ltd.
Candella Group
Chronologic Systems Inc.
Compudata Systems Consulting Inc.
D M R Group Inc.
D-Tech-T Inc.
Deltek Software Systems Ltd.
E D M Management Systems Inc.
G D S & Associates Systems
Info-Eze Inc.
Kwok Consulting Group Ltd.
Power Stations
Precise Systems Corp.
S N C Inc.
Systematix Consultants Inc.
Total Computers Ltd.
Unisun Ltd.

■ Database Publishing
Pelican Software Ltd.

■ Document Tracking
User's Choice Data Management Tech Ltd.

■ EIS Executive Information Systems
B K B Engineering Ltd.
Bethel Software Inc.
CU Services, a Division of Canadian Utilities Ltd.
D M R Group Inc.
E D M Management Systems Inc.
Kwok Consulting Group Ltd.
Logic Resources
Price Waterhouse
Reath Laerz Associates Ltd.
Systematix Consultants Inc.
The 10 Planner Corporation
Unisun Ltd.

■ Estimating
Brysco Services
ESTec Systems Corp.

■ Forms
Shana Corporation

■ Hotel Management
Inter-Soft Systems Ltd.

■ Human Resources Management
Applied Engineering Sciences Group Ltd.
Bethel Software Inc.
D M R Group Inc.
D-Tech-T Inc.
E D M Management Systems Inc.
FitzPatrick Engineering Ltd.
G D S & Associates Systems
G M T Software Systems Ltd.
Info-Eze Inc.
Kaydex Systems Ltd.
Kwok Consulting Group Ltd.
Oracle Corporation Canada Inc.
Power Stations
Reath Laerz Associates Ltd.
Sprint Systems Consulting Ltd.
Systematix Consultants Inc.
Unisun Ltd.

■ Image-based Document Management
D M R Group Inc.
E D M Management Systems Inc.
Generation 5 Technology Canada
Info-Eze Inc.
Keyword Office Technologies Ltd.
Kwok Consulting Group Ltd.
Pelican Software Ltd.
Precise Systems Corp.

■ Inventory Control
A. Comeau & Associates Ltd.
Andromeda Computer Systems Ltd.
Associated Stationers
Aurora Bar Code Technologies Ltd.
Bethel Software Inc.
C S I Custom Solutions Inc.
Candella Group
Cipher Systems Ltd.
Compudata Systems Consulting Inc.

D M R Group Inc.
D-Tech-T Inc.
Deltek Software Systems Ltd.
E D M Management Systems Inc.
E F A Software Services Ltd.
El-Kow Software Systems Inc.
Elan Consulting Group Inc.
Engineered Systems
ESTec Systems Corp.
FitzPatrick Engineering Ltd.
G M T Software Systems Ltd.
General Computer Systems (Genesys) Ltd.
Generation 5 Technology Canada
H M Computer Systems Inc.
I R M Systems Inc.
J D A Software Services Ltd.
Jonas & Erickson Software Technology Inc
Keith Hamilton Computer Consulting Ltd.
Kwok Consulting Group Ltd.
Micro Systems Unlimited
Power Stations
R S I Retail Solutions Inc.
Reath Laerz Associates Ltd.
Sequoia Information Systems Ltd.
Silatech Microsystems Inc.
Software Integration Services
Systematix Consultants Inc.
Total Computers Ltd.
Unexsys Systems Inc.
Unisun Ltd.

■ MIS Management Information Systems

A. Comeau & Associates Ltd.
Andromeda Computer Systems Ltd.
Bethel Software Inc.
C D Pubco Inc.
CU Services, a Division of Canadian Utilities Ltd.
Cipher Systems Ltd.
Compu-Group Consultants Inc.
Compudoc Systems Ltd.
D M R Group Inc.
D-Tech-T Inc.
Datrek Hospitality Systems Ltd.
E D M Management Systems Inc.
E F A Software Services Ltd.
ESTec Systems Corp.
El-Kow Software Systems Inc.
Elan Consulting Group Inc.
FitzPatrick Engineering Ltd.
Generation 5 Technology Canada
Info-Eze Inc.
Inter-Soft Systems Ltd.
Kaydex Systems Ltd.
Kwok Consulting Group Ltd.
Logic Resources
P P M 2000 Inc.
Panda Systems Ltd.
Reath Laerz Associates Ltd.
Systematix Consultants Inc.
The 10 Planner Corporation
Total Computers Ltd.
Unexsys Systems Inc.
Unisun Ltd.

■ Organize Supplier contacts

Sector Software Inc.

■ PIM Personal Information Managers (IZE, Grand View, PackRat type)

Bethel Software Inc.
D M R Group Inc.
Sector Software Inc.

■ Project Management

Abacus Computer Service
Andromeda Computer Systems Ltd.
Applied Engineering Sciences Group Ltd.
Bethel Software Inc.
Candella Group
Canuck G I E Engineering Ltd.
Chronologic Systems Inc.
D M R Group Inc.
D-Tech-T Inc.
DATAP Systems
Deltek Software Systems Ltd.
E F A Software Services Ltd.
Elan Consulting Group Inc.
ESTec Systems Corp.
FitzPatrick Engineering Ltd.
Global Enterprise System Support Group
Humana Computer Support Inc.
I R M Systems Inc.
Kaydex Systems Ltd.
Kwok Consulting Group Ltd.
Pelican Software Ltd.
Power Stations
Sequoia Information Systems Ltd.
Systematix Consultants Inc.
Techsonix (Canada) Ltd.
Unisun Ltd.

■ Purchasing

Associated Stationers
Bethel Software Inc.
C S I Custom Solutions Inc.
Candella Group
Canuck G I E Engineering Ltd.
Cipher Systems Ltd.
D M R Group Inc.
D-Tech-T Inc.
E D M Management Systems Inc.
Elan Consulting Group Inc.
ESTec Systems Corp.
G M T Software Systems Ltd.
General Computer Systems (Genesys) Ltd.
H M Computer Systems Inc.
Jonas & Erickson Software Technology Inc
Keith Hamilton Computer Consulting Ltd.
Kwok Consulting Group Ltd.
Micro Systems Unlimited
Micrologic Limited
P & A Computer Corp.
R S I Retail Solutions Inc.
Sector Software Inc.
Systematix Consultants Inc.
Total Computers Ltd.
Unexsys Systems Inc.
Unisun Ltd.

■ **Quality Control**
B K B Engineering Ltd.

■ **Records, Document Management**
A. Comeau & Associates Ltd.
Aurora Bar Code Technologies Ltd.
B K B Engineering Ltd.
Bethel Software Inc.
C S I Custom Solutions Inc.
Candella Group
D M R Group Inc.
D-Tech-T Inc.
Deltek Software Systems Ltd.
E D M Management Systems Inc.
G D S & Associates Systems
H M Computer Systems Inc.
I R M Systems Inc.
Info-Eze Inc.
Keyword Office Technologies Ltd.
Micrologic Limited
P & A Computer Corp.
Pelican Software Ltd.
Sprint Systems Consulting Ltd.
Systematix Consultants Inc.
Total Computers Ltd.
Unexsys Systems Inc.
Unisun Ltd.

■ **Reservation Systems**
Datrek Hospitality Systems Ltd.

■ **Scheduling**
Abacus Computer Service
Andromeda Computer Systems Ltd.
Aurora Bar Code Technologies Ltd.
B K B Engineering Ltd.
Bethel Software Inc.
C S I Custom Solutions Inc.
Canex Exploration Services Ltd.
Compudoc Systems Ltd.
D M R Group Inc.
D-Tech-T Inc.
Deltek Software Systems Ltd.
Elan Consulting Group Inc.
Kwok Consulting Group Ltd.
P & A Computer Corp.
Pelican Software Ltd.
Total Computers Ltd.
Unexsys Systems Inc.
Unisun Ltd.
User's Choice Data Management Tech Ltd.
XI Canada Ltd.

■ **School Records**
Total Computers Ltd.

■ **Time & Disbursements**
Lawgic Computer Systems Inc.

■ **Tracking**
D-Tech-T Inc.
Jonas & Erickson Software Technology Inc.
Uniplex

■ **Voice, Speech Recognition, translation**
Xentel Inc.

SPREADSHEETS

■ **Spreadsheet**
C D Pubco Inc.
Compudata Systems Consulting Inc.
D M R Group Inc.
D-Tech-T Inc.
DATAP Systems
DataPath Support Group Inc.
Deltek Software Systems Ltd.
El-Kow Software Systems Inc.
Elan Consulting Group Inc.
FitzPatrick Engineering Ltd.
G D S & Associates Systems
H M Computer Systems Inc.
Hewlett-Packard (Canada) Ltd.
Hinz Consulting Ltd.
Humana Computer Support Inc.
Humana Training Centres Inc.
I C L Isometrics Consulting Ltd.
I R M Systems Inc.
Keith Hamilton Computer Consulting Ltd.
Kwok Consulting Group Ltd.
Mazuryk Petroleum Consulting Ltd.
Micro Systems Unlimited
Pelican Software Ltd.
Power Stations
Price Waterhouse
R S I Retail Solutions Inc.
Res-Soft Technologies Inc.
S N C Inc.
Sequoia Information Systems Ltd.
Systematix Consultants Inc.
Techsonix (Canada) Ltd.
Total Computers Ltd.
Unisun Ltd.
User's Choice Data Management Tech Ltd.

WORD, TEXT PROCESSING

■ Word, Text Processing
Elan Consulting Group Inc.
FitzPatrick Engineering Ltd.

■ Data Dictionary
G D S & Associates Systems

■ Document Management
Chronologic Systems Inc.

■ Document Interchange
Keyword Office Technologies Ltd.

■ DTP (Desk Top Publishing)
Amtek Testware Div. of Atlantic Research
Compudata Systems Consulting Inc.
DataPath Support Group Inc.
Engineered Systems
FitzPatrick Engineering Ltd.
Humana Computer Support Inc.
Humana Training Centres Inc.
Image Club Graphics Inc.
Keyword Office Technologies Ltd.
Power Stations
Shana Corporation
Systematix Consultants Inc.
C D Pubco Inc.
D & S Knowledge Systems Inc.
D M R Group Inc.
D-Tech-T Inc.
Elan Consulting Group Inc.
G D S & Associates Systems
I R M Systems Inc.
Kwok Consulting Group Ltd.

■ Specialized Editors (e.g. Brief, Personal Editor, etc.)
Auscan Data Services
B K B Engineering Ltd.
C S I Custom Solutions Inc.
DATAP Systems
Elan Consulting Group Inc.
FitzPatrick Engineering Ltd.
Hyprotech Ltd.
Precise Systems Corp.
The Training Group Inc.
Tri Tec Systems Ltd.
Unisun Ltd.
WNDX Corporation

■ Type Faces
Image Club Graphics Inc.

■ Voice, Speech Recognition, Translation
Xentel Inc.

■ Word Processing
Amtek Testware Div. of Atlantic Research
C D Pubco Inc.
Compudata Systems Consulting Inc.
D & S Knowledge Systems Inc.
D M R Group Inc.
D-Tech-T Inc.
DATAP Systems
DataPath Support Group Inc.
Deltek Software Systems Ltd.
E F A Software Services Ltd.
El-Kow Software Systems Inc.
Elan Consulting Group Inc.
FitzPatrick Engineering Ltd.
G D S & Associates Systems
GeoGraphix Inc.
H M Computer Systems Inc.
Humana Computer Support Inc.
Humana Training Centres Inc.
I R M Systems Inc.
Jonas & Erickson Software Technology Inc
K C Woods & Associates Ltd.
Keyword Office Technologies Ltd.
Kwok Consulting Group Ltd.
Lawgic Computer Systems Inc.
Micro Systems Unlimited
Precise Systems Corp.
R S I Retail Solutions Inc.
Sprint Systems Consulting Ltd.
Systematix Consultants Inc.
The Training Group Inc.
Total Computers Ltd.
Tri Tec Systems Ltd.
User's Choice Data Management Tech Ltd.